



WASHINGTON STATE  
UNIVERSITY


# **Avoid Getting into a Pickle!**

## **Use PICOL**



Rachel Bomberger

WSU Pesticide Resources and Education



Products names and situations are examples; **neither endorsement nor condemnation is intended**

Situations discussed are not recommendations and are for educational or informational purposes **ONLY**

No blame and no shame is implied





# PICOL Power



- 
- Kristi Boone
  - [picol.info@wsu.edu](mailto:picol.info@wsu.edu)
  - 7 Years with Pesticide Resources and Education
    - Extensive background and applied knowledge
  - B.S. from WSU
  - M.S. from Univ of Idaho



- Review pesticide recommendations for WSU & WSU Extension publications for consistency with the currently registered label for the pesticide
  - 16,249 recommendations reviewed
  - 4,301 labels read
- Major Publications:
  - PNW Handbooks
  - Tree Fruit & Grape Crop Protection Guides
  - Potato Alert and other newsletters
    - Now, Potato DAS!
  - Hortsense/Pestsense
  - Master Gardener Manual Update

# FIFRA & State Pesticide Law

**All products must be registered with EPA and WSDA**



# FIFRA & State Pesticide Law

**All products must be registered with EPA and WSDA**

- Can refuse registration



# FIFRA & State Pesticide Law

**All products must be registered with EPA and WSDA**

- Can refuse registration
  - Particular concerns:
    - Groundwater, aquatic environments
  - High volatile ester 2,4-D
    - Result of the diverse EWA agriculture
- Some predator control products





# Legal Definition: Pesticide

Prevent, destroy, control,  
repel or mitigate pests





# Legal Definition: Pesticide

Prevent, destroy, control,  
repel or mitigate pests

Plant regulators, defoliants,  
and desiccants

# Legal Definition: Pesticide

Prevent, destroy, control,  
repel or mitigate pests

Plant regulators, defoliants,  
and desiccants

Washington Definition includes  
“**spray adjuvants**” and **25(b)**  
**pesticides**





**PEOPLE &  
PET SAFE**  
WHEN USED AS DIRECTED

**DR. EARTH® FINAL STOP®  
WEED & GRASS HERBICIDE**

**SHAKE WELL BEFORE USING - READ ENTIRE LABEL BEFORE USE**

**Dr. Earth® Weed & Grass Herbicide** kills and controls undesired weeds in your yard and garden, including grasses & broadleaf weeds. *Dr. Earth® goes to work immediately;* death generally occurs minutes to hours after application.

**DIRECTIONS FOR USE: SHAKE WELL BEFORE EACH USE.**

This product is ready to use from the bottle. Thorough coverage of the weed is required for maximum effect. *Apply the spray in full sun for maximum effect.* Repeat application as often as needed.

**PRECAUTIONARY STATEMENTS: CAUTION: KEEP OUT OF REACH OF CHILDREN.** Avoid contact with skin, eyes or clothing. Do not swallow. Wash thoroughly with soap and water after handling. Do not apply directly to water.

**FIRST AID: If On Skin or Clothing:** Wash with plenty of soap and water. **If In Eyes:** Flush eyes with plenty of water. **If Inhaled:** Seek fresh air. **If Swallowed:** Rinse mouth out with clean water. Do not induce vomiting. Consult your physician if irritation persists.

**STORAGE AND DISPOSAL: Storage:** Store container in a cool dry location. **Disposal:** Do not reuse container. Dispose of in trash or recycle where accepted.

**CONDITIONS OF SALE:** Dr. Earth, Inc. warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with the directions under normal conditions of use. In the event of a defect, the consumer is limited to repair or replacement of the Purchased Product. Dr. Earth, Inc. further disclaims liability for any incidental and consequential damages resulting from use of the Purchased Product.

**Active Ingredients:**

Citric Acid ..... 4.2%  
Cinnamon Oil ..... 2.1%  
Clove Oil ..... 1.5%  
Soybean Oil ..... 1.5%  
Rosemary Oil ..... 0.04%  
Sesame Oil ..... 0.04%  
Thyme Oil ..... 0.03%

**Inert Ingredients:**\* ..... 90.59%

**Total:** ..... 100.00%

\*Beeswax, Carrageenan, Cellulose, Glycerin, Lecithin, Water.



This product has not been registered by the United States Environmental Protection Agency. Dr. Earth, Co. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

**DR. EARTH, Co.**

P.O. Box 460, Winters, CA 95694  
707-448-4676 • www.DrEarth.com



# \*Minimum-Risk Pesticides

Castor oil	Cottonseed oil	Putrescent whole egg solids
Cedarwood oil	Dried blood	Rosemary
Cedarwood oil	Eugenol	Rosemary oil
Cedarwood oil	Garlic	Sesame
Cinnamon	Garlic oil	Sesame oil
Cinnamon oil	Geraniol	Sodium chloride
Citric acid	Geranium oil	Sodium lauryl sulfate
Citronella	Lauryl sulfate	Soybean oil
Citronella oil	Lemongrass oil	Spearmint
Cloves	Linseed oil	Spearmint oil
Clove oil	Malic acid	Thyme
Corn gluten meal	Peppermint	Thyme oil
Corn oil	Peppermint oil	White pepper
Cornmint	2-Phenylethyl propionate	Zinc
Cornmint oil	Potassium sorbate	

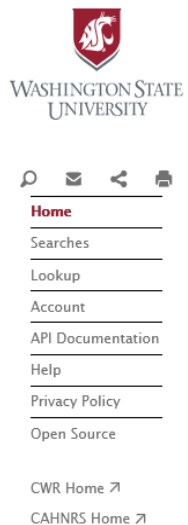


# Use PICOL!!!

- **P**esticide
- **I**nformation
- **C**enter
- **O**n-
- **L**ine

# Use PICOL

- Navigate to the Pesticide Information Center OnLine Home Page: <https://picol.cahnrs.wsu.edu/>



## Pesticide Information Center OnLine (PICOL) Database

*Note to Users: Not all PICOL features may be compatible with your browser. We recommend using Chrome, Firefox, or Edge for the best experience. Known issues: PICOL Advanced Search features are not compatible with the Mac version of the Safari browser.*

Welcome to the Washington State Pest Management Resource Service's (WSPRS) pesticide label database. This free, searchable database is operated by Washington State University through funding provided from the [Washington State Department of Agriculture](#), the [Oregon Department of Agriculture](#), Oregon State University, and WSU.

PICOL contains selected information from pesticide products registered in either Oregon, Washington, or in both states. Washington data includes Section 3, Section 25b, Section 24c, Section 18, adjuvants, and federal supplemental labels. It does not include EUPs. Oregon data includes Section 3, Section 25b, Section 24c, and federal supplemental labels. It does not include EUPs or Section 18 labels.

PICOL provides electronic copies (i.e., PDFs) of most Washington and many Oregon registered labels. PDFs are only accepted directly from WSDA and ODA. NOTE: WEB LABELS ARE FOR INFORMATIONAL PURPOSES ONLY. THIS DATABASE IS NOT A SUBSTITUTE FOR OBTAINING, READING, AND FOLLOWING PESTICIDE LABEL DIRECTIONS. PICOL INFORMATION HAS NO LEGAL STATUS, WHEREAS THE CONTAINER LABEL IS A LEGAL DOCUMENT.

This site offers three search options: Express and Quick Searches are available for current-year data only, while the Advanced Search allows users to search either for current records or for recently cancelled products. Search results can be exported to Excel® manually and APIs can be created for automated searches.



PICOL does not include tolerance information or maximum residue limits. WSPRS' staff recommend users access either EPA's instructional page on searching the [Code of Federal Regulations](#) or the [Global MRL database](#).

### A note about Organic products in PICOL:



**Certified organic operations must seek approval from their certifier prior to the use of any input on organic crops or land, or in an organic processing facility.** Users are responsible for confirming the organic status of any product prior to use.

- PICOL organic designations reflect certifier approval at a given point in time; because status may change without notice, always check the current [WSDA Organic Program](#) or [OMRI](#) lists for the most current product status.
- Organic designation in PICOL is only given to products approved for organic use by WSDA, OMRI, the EPA, or other certifier approved by the USDA National Organic Program.
- WSPRS does not actively seek or solicit organic status information from OMRI, the EPA, or other certifier. With the exception of data received from the WSDA Organic Program, PICOL's "organic" designation is based solely on information contained on a product label as received from WSDA or ODA.



# Endangered Species Act: Bulletins Live! 2

<https://www.epa.gov/endangered-species/bulletins-live-two-view-bulletins>

PICOL does not include tolerance information or maximum residue limits. WSPRS' staff recommend users access either EPA's instructional page on searching the [Code of Federal Regulations](#) or the [Global MRL database](#).

## A note about Organic products in PICOL:

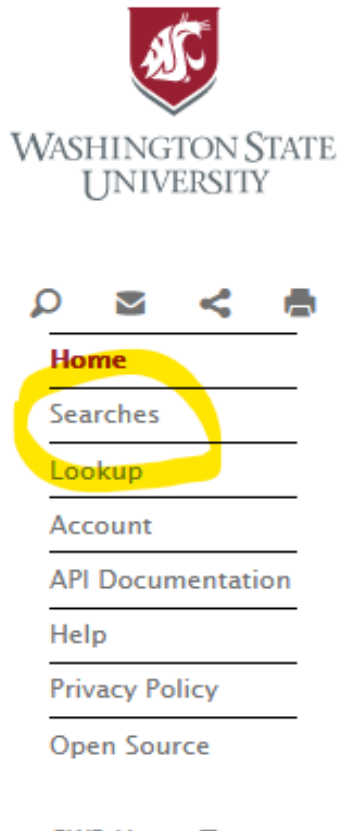
Certified organic operations must seek approval from their certifier prior to the use of any input on organic crops or land, or in an organic processing facility. Users are responsible for confirming the organic status of any product prior to use.

- PICOL organic designations reflect certifier approval at a given point in time; because status may change without notice, always check the current [WSDA Organic Program](#) or [OMRI](#) lists for the most current product status.
- Organic designation in PICOL is only given to products approved for organic use by WSDA, OMRI, the EPA, or other certifier approved by the USDA National Organic Program.
- WSPRS does not actively seek or solicit organic status information from OMRI, the EPA, or other certifier. With the exception of data received from the WSDA Organic Program, PICOL's "organic" designation is based solely on information contained on a product label as received from WSDA or ODA.





# Quick Search



## Pesticide Informati

*Note to Users: Not all PICOL features may be compatible with your browser. We recommend using Chrome, Firefox, or Safari browser.*

WASHINGTON STATE  
UNIVERSITY[Home](#)[Searches](#)[Quick](#)[Advanced](#)[Lookup](#)[Account](#)[API Documentation](#)[Help](#)[Privacy Policy](#)[Open Source](#)[CWR Home ↗](#)[CAHNRS Home ↗](#)

# Quick Search

## Quick Searches

### Express Searches

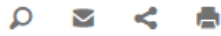
All express searches search labels registered in the current year, plus the criteria listed with each search.

- **I-502/I-692 (WA only)**
  - I502 is Yes
  - Washington State
- **ESSB 6206 (WA only)**
  - ESSB 6206 is Yes
  - Washington State
- **Organic**
  - Organic is Yes
  - Both States
- **SLN by Number**
  - Current Year
  - Both States
- **Federal restricted-use pesticide (RUP)**
  - Both States
  - Usage Code is R
- **State restricted-use pesticide (SRUP; WA only)**
  - Washington State
  - Usage Name includes SRUP

### Quick Search

**State****Intended User****EPA/State Reg. No.**  exact**Product Name**  exact**Active Ingredient**  exact**Crop**  exact**Pest**  exact



WASHINGTON STATE  
UNIVERSITY[Home](#)[Searches](#)**[Quick](#)**[Advanced](#)[Lookup](#)[Account](#)[API Documentation](#)[Help](#)[Privacy Policy](#)[Open Source](#)[CWR Home ↗](#)[CAHNRS Home ↗](#)

# Quick Search

## Quick Searches

### Express Searches

All express searches search labels registered in the current year, plus the criteria listed with each search.

- **I-502/I-692 (WA only)**
  - I502 is Yes
  - Washington State
- **ESSB 6206 (WA only)**
  - ESSB 6206 is Yes
  - Washington State
- **Organic**
  - Organic is Yes
  - Both States
- **SLN by Number**
  - Current Year
  - Both States
- **Federal restricted-use pesticide (RUP)**
  - Both States
  - Usage Code is R
- **State restricted-use pesticide (SRUP; WA only)**
  - Washington State
  - Usage Name includes SRUP



### Quick Search

**State****Intended User****EPA/State Reg. No.**  exact**Product Name**  exact**Active Ingredient**  exact**Crop**  exact**Pest**  exact

Name ▾	EPA/State F	Inte	Ingre	Resista	Concentr	Pesticid	Reg	SLN	SLN Name	Labels
TREFLAN T...	10163-362	C...	TR...	K1	10%	HER...	G...	OR-170015	ALFALFA GROWN /SEED	OR
TOTAL TNV ...	70506-31...	C...	GL...	H	24.5%	DESI...	WIN	OR-200002B	GRASS GROWN /SEED PRODUCTION ONLY	OR
TOPSIN M ...	8033-125...	C...	TH...	1	70.0%	FUN...	U...	WA-150012B	SPINACH GROWN /SEED - VERTICILLIUM DAHLIAE	WA
TOPSIN M ...	8033-125	C...	TH...	1	70.0%	FUN...	N...	WA-150012A	SPINACH GROWN FOR SEED - VERTICILLIUM DAHLIAE	WA
TOPSIN M ...	8033-125	C...	TH...	1	70.0%	FUN...	N...	OR-150012A	SPINACH GROWN /SEED - VERTICILLIUM DAHLIAE	OR
TOPSIN M ...	8033-125	C...	TH...	1	70.0%	FUN...	N...	OR-150009A	GRAPE VINES - EUTYPA DIEBACK	OR
THIRAM 48...	400-434	C...	TH...	M3	42%	FUN...	M...	OR-160012	CEREAL GRAINS SEED /EXPORT ONLY	OR
TELONE II [...	62719-32	C...	DI...		94%	HER...	C...	WA-940038	CROPLAND /CANADA THISTLE, FIELD BINDWEED, QUACKGRASS	WA
TELONE II [1	95290-1	C...	DI...		97.5%	HER...	S...	WA-210004	CROPLAND	WA
TELONE II -...	62719-32	C...	DI...		94%	HER...	C...	OR-940038	CROPLAND	OR
TELONE II	95290-1	C...	DI...		97.5%	HER...	S...	OR-210006	CROPLAND	OR
SWITCH 62....	100-953	C...	CY...	9;12	37.5%;...	FUN...	S...	WA-020016	CRUCIFER VEGETABLE CROPS GROWN /SEED	WA
SWITCH 62....	100-953	C...	CY...	9;12	37.5%;...	FUN...	S...	OR-160001	BRASSICAS GROWN /SEED	OR
SWITCH 62....	100-953	C...	CY...	9;12	37.5%;...	FUN...	S...	WA-120006	BLUEBERRIES -AERIAL APP	WA
SUREGUAR...	59639-120	C...	FL...	E	51%	HER...	V...	OR-130006	NATIVE RESTORATION HAB	OR
SULPHUR W...	62562-4	C...	SU...		80.0%	FUN...	Q...	OR-190005A	FILBERT (HAZELNUT) -BUD	OR
SULFUR DR...	62562-4-...	C...	SU...		80.0%	FUN...	WIL	OR-190005B	FILBERT (HAZELNUT) -BUD	OR
STINGER [1...	62719-73	C...	CL...	O	40.9%	HER...	C...	WA-030035	STRAWBERRY	WA
STINGER [1...	62719-73	C...	CL...	O	40.9%	HER...	C...	WA-030006	CRANBERRY	WA
STINGER [1...	62719-73	C...	CL...	O	40.9%	HER...	C...	WA-040008	HOPS	WA
STINGER [1...	62719-73	C...	CL...	O	40.9%	HER...	C...	WA-970033	SEED CROPS -BROC,CAUL,CABB,SWISS CHR, BEET	WA
STINGER H...	62719-73	C...	CL...	O	40.9%	HER...	D...	OR-210015	NON-BEARING HAZELNUT/FILBERTS	OR
STINGER H...	62719-73	C...	CL...	O	40.9%	HER...	C...	WA-220001	BLUEBERRY: CANADA THISTLE & BROADLEAF	WA

Make sure it is for your state!



# SureGuard®

H E R B I C I D E

EPA Reg. No. 59639-120  
EPA SLN No. OR-130006

## For Control of Annual Weeds in Native Restoration Habitats

This  
susp

Follow all applicable directions, restrictions and precautions on the EPA-registered *SureGuard* Herbicide label.

This Special Local Need (SLN) label and the EPA-registered *SureGuard* Herbicide product label must be in the possession of the user at the time of pesticide application.

The purpose of this label is to facilitate the control of non-native grass and broadleaf weeds, in order to enhance the populations of native woody tree and shrub species in riparian areas. It is intended for use in conservation, restoration and related research projects, and not for general weed control.

\*2-[7

isoindole-1,3(2H)-dione

SureGuard® Herbicide is a water dispersible granule containing 51% active ingredient.



# FEDERAL Restricted Use Product

## RESTRICTED USE PESTICIDE

### Toxic to Fish and Aquatic Organisms

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

# WISDOM<sup>®</sup> FLOWABLE

For use to control listed insect and mite pests in greenhouses and nurseries, as well as on golf courses and on ornamental and turf in landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses, sod farms and athletic fields.

### ACTIVE INGREDIENT:

#### Bifenthrin

(2 methyl [1,1'-biphenyl] 3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-  
2,2-dimethyl-cyclopropanecarboxylate\*

7.9%

### INERT INGREDIENTS

92.1%

### TOTAL

100.0%


\*Cis isomers 97% minimum, trans isomers 3% maximum.

Wisdom Flowable contains 2/3 pound active ingredient per gallon.

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS, STORAGE AND DISPOSAL AND DIRECTIONS FOR USE.



# STATE Restricted Use Product



## Herbicide

For selective broadleaf and certain grassy weed control

Contains 2,4-D Quinclorac and Dicamba

**Controls:** Dandelion, Chickweed, Black Medic, Knotweed, Plantain, Oxalis, Clover, Cocklebur, Thistle, Large and Smooth Crabgrass and many other species of broadleaf and certain grassy weeds; some of which are listed on this label.

**ACTIVE INGREDIENTS:**

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	13.24%
Quinclorac (3,7-Dichloro-8-quinolinecarboxylic Acid)**	8.25%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	1.38%
<b>OTHER INGREDIENTS:</b>	77.13%
<b>TOTAL:</b>	100.00%

By Isomer Specific AOAC Method, Equivalent to:

* 2,4-Dichlorophenoxyacetic Acid	11.34%, 1.00 lbs./gal.
** 3,7-Dichloro-8-quinolinecarboxylic Acid	8.25%, 0.75 lbs./gal.
*** 3,6-Dichloro-o-Anisic Acid	1.38%, 0.125 lbs./gal.



# STATE Restricted Use Product

## MasterLine®

By Univar

### KONTROL MOSQUITO LARVICIDE

Kills larvae and pupa stages of mosquitoes.

For use on:

Sewage and drainage ditches

Catch basins

Salt marshes, swamps and stagnant water pools

ACTIVE INGREDIENT:

Mineral Oil\* ..... 98%

OTHER INGREDIENTS: ..... 2%

TOTAL ..... 100%

\*Contains petroleum distillates.



# Using PICOL Search

## Quick Searches

### Quick Search

**State****Intended User****EPA/State Reg. No.**  exact**Product Name**  exact**Active Ingredient**  exact**Crop**  exact**Pest**  exact

# Using PICOL Search

## Quick Searches

### Quick Search

State

Both ▾

Intended User

All ▾

EPA/State Reg. No.

exact

Product Name

exact

Active Ingredient

exact

Crop

exact

Pest

exact

Search

### Quick Search

State

Both ▾

WA  
OR  
Both

User

▾

EPA/State Reg. No.

exact

Product Name

exact

Active Ingredient

exact

Crop

exact

Pest

exact

Search





# Using PICOL Search

## Quick Searches

### Quick Search

State

Both ▾

Intended User

All ▾

EPA/State Reg. No.

exact

Product Name

exact

Active Ingredient

exact

Crop

exact

Pest

exact

Search

### Quick Search

State

Both ▾

WA

OR

Both

User

▾

E Reg. No.

exact

Product Name

exact

Active Ingredient

exact

Crop

exact

Pest

exact

Search

### Quick Search

State

Both ▾

Intended User

All ▾

COMMERCIAL

HOME  exact

All

exact

Active Ingredient

exact

Crop

exact

Pest

exact

Search





### Quick Search

**State**

WA ▾

**Intended User**

COMMERCIAL ▾

**EPA/State Reg. No.**

exact

**Product Name**

exact

**Active Ingredient**

glyp  exact

- GLYPHOSATE ▲
- GLYPHOSATE, DIAMMONIUM SALT
- GLYPHOSATE, DIMETHYLAMMONIUM SALT ▼

Search



### Quick Search

**State**

WA ▾

**Intended User**

COMMERCIAL ▾

**EPA/State Reg. No.**

exact

**Product Name**

exact

**Active Ingredient**

glyp  exact

- GLYPHOSATE ▲
- GLYPHOSATE, DIAMMONIUM SALT
- GLYPHOSATE, DIMETHYLAMMONIUM SALT ▼

### Quick Search

**State**

WA ▾

**Intended User**

COMMERCIAL ▾

**EPA/State Reg. No.**

exact

**Product Name**

exact

**Active Ingredient**

GLYPHOSATE  exact

**Crop**

ornam|  exact

- ORNAMENTAL DECIDUOUS/SHADE TREE ▲
- ORNAMENTAL EVERGREEN TREE
- ORNAMENTAL FLOWER ▼



### Quick Search

**State**

**Intended User**

**EPA/State Reg. No.**  
  exact

**Product Name**  
  exact

**Active Ingredient**  
  exact

GLYPHOSATE

GLYPHOSATE, DIAMMONIUM SALT

GLYPHOSATE, DIMETHYLAMMONIUM SALT

### Quick Search

**State**

**Intended User**

**EPA/State Reg. No.**  
  exact

**Product Name**  
  exact

**Active Ingredient**  
  exact

**Crop**  
  exact

ORNAMENTAL DECIDUOUS/SHADE TREE

ORNAMENTAL EVERGREEN TREE

ORNAMENTAL FLOWER

### Quick Search

**State**

**Intended User**

**EPA/State Reg. No.**  
  exact

**Product Name**  
  exact

**Active Ingredient**  
  exact

**Crop**  
  exact

**Pest**  
  exact

DANDELION

MCDANIEL SPIDER MITE



Name	EPA/State Reg. No.	Intended User	Ingredients	Concentrations	Pesticide Types	Registrant Name	Labels	Actions
FARM GENERAL 4...	84009-12	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	RAGAN & MASSE...	WA   OR	<a href="#">Details</a>
RANGER PRO HE...	524-517	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>
ALLIGARE DRYPH...	81927-60	COMMERCIAL	GLYPHOSATE, M...	75.7%	HERBICIDE	ALLIGARE LLC	WA   OR	<a href="#">Details</a>
COMPARE-N-SAV...	84009-12	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	RAGAN & MASSE...	WA   OR	<a href="#">Details</a>
CROPSMART GLY...	85945-1	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	CROPSMART LLC	WA   OR	<a href="#">Details</a>
WYNCA USA SUN...	87659-3	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	CINMAX INTERNA...	WA   OR	<a href="#">Details</a>
MAD DOG [231	34704-889	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LOVELAND PROD...	WA   OR	<a href="#">Details</a>
ROUNDUP PROM...	524-579	COMMERCIAL	GLYPHOSATE, P...	48.7%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>
GLYPHOGAN HER...	66222-105	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	MAKHTESHIM-AG...	WA   OR	<a href="#">Details</a>
BUCCANEER PLU...	55467-9	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	TENKOZ, INC	WA   OR	<a href="#">Details</a>
LESCO PROSECU...	524-536-10404	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
TOMAHAWK 4 HE...	33270-18	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	WINFIELD SOLUT...	WA   OR	<a href="#">Details</a>
LESCO PROSECU...	10404-117	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
AGSAVER GLYPH...	83772-8	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	AGSAVER LLC	WA	<a href="#">Details</a>
BIG N TUFF WEE...	2217-847	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	PBI/GORDON CO...	WA	<a href="#">Details</a>
HI-YIELD SUPER ...	19713-526-7401	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	VOLUNTARY PUR...	WA   OR	<a href="#">Details</a>
ROUNDUP PRO C...	524-529	COMMERCIAL	GLYPHOSATE, IS...	50.2%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>



Name	EPA/State Reg. No.	Intended User	Ingredients	Concentrations	Pesticide Types	Registrant Name	Labels	Actions
FARM GENERAL 4...	84009-12	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	RAGAN & MASSE...	WA   OR	<a href="#">Details</a>
RANGER PRO HE...	524-517	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>
ALLIGARE DRYPH...	81927-60	COMMERCIAL	GLYPHOSATE, M...	75.7%	HERBICIDE	ALLIGARE LLC	WA   OR	<a href="#">Details</a>
COMPARE-N-SAV...	84009-12	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	RAGAN & MASSE...	WA   OR	<a href="#">Details</a>
CROPSMART GLY...	85945-1	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	CROPSMART LLC	WA   OR	<a href="#">Details</a>
WYNCA USA SUN...	87659-3	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	CINMAX INTERNA...	WA   OR	<a href="#">Details</a>
MAD DOG [231	34704-889	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LOVELAND PROD...	WA   OR	<a href="#">Details</a>
ROUNDUP PROM...	524-579	COMMERCIAL	GLYPHOSATE, P...	48.7%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>
GLYPHOGAN HER...	66222-105	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	MAKHTESHIM AG...	WA   OR	<a href="#">Details</a>
BUCCANEER PLU...	55467-9	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
LESCO PROSECU...	524-536-10404	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
TOMAHAWK 4 HE...	33270-18	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	WINFIELD SOLUT...	WA   OR	<a href="#">Details</a>
LESCO PROSECU...	10404-117	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
AGSAVER GLYPH...	83772-8	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	AGSAVER LLC	WA	<a href="#">Details</a>
BIG N TUFF WEE...	2217-847	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	PBI/GORDON CO...	WA	<a href="#">Details</a>
HI-YIELD SUPER ...	19713-526-7401	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	VOLUNTARY PUR...	WA   OR	<a href="#">Details</a>
ROUNDUP PRO C...	524-529	COMMERCIAL	GLYPHOSATE, IS...	50.2%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>



# BUCCANEER PLUS®

**glyphosate herbicide**

**TENKÖZ**

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

Non-selective, broad-spectrum weed control for many cropping systems, farmsteads and Conservation Reserve Program acres. Not all products specified in this label are registered for use in California. Check the registration status of each product in California before using.

**ACTIVE INGREDIENT:**

\*Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt ..... 41.0%

OTHER INGREDIENTS: ..... 59.0%

100.0%

\*Contains 480 grams per litre or 4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 356 grams per litre or 3 pounds per U.S. gallon of the acid, glyphosate.

No license granted under any non-U.S. patent(s).

**Keep out of reach of children.**

**WARNING! AVISO!**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Read the entire label before using this product. Use only according to label instructions.

**Nonrefillable container.**

EPA REG. NO. 55467-9

EPA EST. NO. 42750-MO-001





Name	EPA/State Reg. No.	Intended User	Ingredients	Concentrations	Pesticide Types	Registrant Name	Labels	Actions
FARM GENERAL 4...	84009-12	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	RAGAN & MASSE...	WA   OR	<a href="#">Details</a>
RANGER PRO HE...	524-517	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>
ALLIGARE DRYPH...	81927-60	COMMERCIAL	GLYPHOSATE, M...	75.7%	HERBICIDE	ALLIGARE LLC	WA   OR	<a href="#">Details</a>
COMPARE-N-SAV...	84009-12	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	RAGAN & MASSE...	WA   OR	<a href="#">Details</a>
CROPSMART GLY...	85945-1	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	CROPSMART LLC	WA   OR	<a href="#">Details</a>
WYNCA USA SUN...	87659-3	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	CINMAX INTERNA...	WA   OR	<a href="#">Details</a>
MAD DOG [231	34704-889	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LOVELAND PROD...	WA   OR	<a href="#">Details</a>
ROUNDUP PROM...	524-579	COMMERCIAL	GLYPHOSATE, P...	48.7%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>
GLYPHOGAN HER...	66222-105	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	MAKHTESHIM-AG...	WA   OR	<a href="#">Details</a>
BUCCANEER PLU...	55467-9	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	TENK		<a href="#">Details</a>
LESCO PROSECU...	524-536-10404	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
TOMAHAWK 4 HE...	33270-18	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	WINFIELD SOLUT...	WA   OR	<a href="#">Details</a>
LESCO PROSECU...	10404-117	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	LESCO, INC	WA   OR	<a href="#">Details</a>
AGSAVER GLYPH...	83772-8	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	AGSAVER LLC	WA	<a href="#">Details</a>
BIG N TUFF WEE...	2217-847	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	PBI/GORDON CO...	WA	<a href="#">Details</a>
HI-YIELD SUPER ...	19713-526-7401	COMMERCIAL	GLYPHOSATE, IS...	41.0%	HERBICIDE	VOLUNTARY PUR...	WA   OR	<a href="#">Details</a>
ROUNDUP PRO C...	524-529	COMMERCIAL	GLYPHOSATE, IS...	50.2%	HERBICIDE	MONSANTO COM...	WA   OR	<a href="#">Details</a>







# Label Details

Download: [WA](#) | [OR](#)

## Product Information

Name	EPA/State Reg. No.	Registrant Name	Formulation	Application Method
BUCCANEER PLUS GLYPHOSATE HERBICIDE [28]	55467-9	TENKOZ, INC	LIQUID	AERIAL, GROUND
Signal Word	WA Reg Year	WA Version ID	OR Reg Year	OR Version ID
WARNING	2021	092514 09Y14	2020	
Ingredients	Pesticide Type	Resistance Code	Resistance Source	Resistance MOA
GLYPHOSATE, ISOPROPYLAMINE SALT	HERBICIDE	G	HRAC	EPSP synthase inhibitors (glycines)

## PICOL Tracking Data

PICOL ID No.	45242
WSDA Line No.	28
OR PID No.	None
Added	6/23/2005
Modified	12/2/2014
Registrant No.	55467

## Pesticide Use and Restrictions

Federal Use	GENERAL USE
Intended User	COMMERCIAL
WA sRUP	
OR sRUP	
WA I-502/I-692	No
WA ESSB 6206	No

## Label Notices

Organic Statement	No
Endangered Species	No
Groundwater	No
Spanish	No

## Crops

Show more

## Pests

Show more

## Crops and Pests

Show more

Registrant No.

55467

WA ESSB 6206

No

## Crops

[Click to collapse](#)

- ALFALFA
- ALFALFA (ROUNDUP READY)
- ALMOND
- ANISE
- APPLE
- APRICOT
- ARTICHOKE (GLOBE)
- ARTICHOKE (JERUSALEM)
- ARUGULA
- ASPARAGUS
- ASPHALT/CEMENT
- BARLEY
- BEAN (BROAD)
- BEAN (DRY)
- BEAN (GREEN)
- BEAN (KIDNEY)
- BEAN (LIMA)
- BEAN (MUNG)
- BEAN (NAVY)
- BEAN (PINTO)
- BEET
- BETWEEN WINDROWS
- BLACKBERRY
- BLACKBERRY, EVERGREEN
- BLUEBERRY -HIGH BUSH
- BOYSENBERRY

## Pests

[Click to collapse](#)

- ANNUAL BLUEGRASS
- ANNUAL SOWTHISTLE
- BARNYARD GRASS
- BLACKBERRY
- BUTTERCUP
- CANADA THISTLE
- CATTAIL
- CHEAT
- CHICKWEED
- CLOVER
- COCKLEBUR
- CRABGRASS
- DANDELION
- DOCK
- DOWNY BROME
- FIELD BINDWEED
- FOXTAIL
- GREEN FOXTAIL
- GROUNDSEL
- HENBIT
- HORSEWEED
- ITALIAN (ANNUAL) RYEGRASS
- JOHNSON GRASS
- JOINTED GOAT GRASS
- KNAPWEED
- KNOTWEED

## Crops and Pests

[Click to collapse](#)

- ALFALFA - COCKLEBUR
- ALFALFA - DANDELION
- ALFALFA - NUTSEDGE
- ALFALFA - PIGWEED
- ALFALFA - PRICKLY LETTUCE
- ALFALFA - ANNUAL SOWTHISTLE
- ALFALFA - POISON HEMLOCK
- ALFALFA - BLACKBERRY
- ALFALFA - BUTTERCUP
- ALFALFA - CATTAIL
- ALFALFA - KOCHIA
- ALFALFA - MILKWEED
- ALFALFA - MUSTARD
- ALFALFA - RUSSIAN THISTLE
- ALFALFA - SMARTWEED
- ALFALFA - SUNFLOWER
- ALFALFA - THISTLE
- ALFALFA - WILD BUCKWHEAT
- ALFALFA - CHICKWEED
- ALFALFA - SPEEDWELL
- ALFALFA - WILD MUSTARD
- ALFALFA - ANNUAL BLUEGRASS
- ALFALFA - BARNYARD GRASS
- ALFALFA - GROUNDSEL
- ALFALFA - KNAPWEED
- ALFALFA - LAMBSQUARTER

# Label Details

Download: [WA](#) | [OR](#)

## Product Information

<b>Name</b>	<b>EPA/State Reg. No.</b>	<b>Registrant Name</b>	<b>Formulation</b>	<b>Application Method</b>
BUCCANEER PLUS GLYPHOSATE HERBICIDE [28]	55467-9	TENKOZ, INC	LIQUID	AERIAL, GROUND
<b>Signal Word</b>	<b>WA Reg Year</b>	<b>WA Version ID</b>	<b>OR Reg Year</b>	<b>OR Version ID</b>
WARNING	2021	092514 09Y14	2020	
<b>Ingredients</b>	<b>Pesticide Type</b>	<b>Resistance Code</b>	<b>Resistance Source</b>	<b>Resistance MOA</b>
GLYPHOSATE, ISOPROPYLAMINE SALT	HERBICIDE	G	HRAC	EPSP synthase inhibitors (glycines)

## PICOL Tracking Data

<b>PICOL ID No.</b>	45242
<b>WSDA Line No.</b>	28
<b>OR PID No.</b>	None
<b>Added</b>	6/23/2005
<b>Modified</b>	12/2/2014
<b>Registrant No.</b>	55467

## Pesticide Use and Restrictions

<b>Federal Use</b>	GENERAL USE
<b>Intended User</b>	COMMERCIAL
<b>WA sRUP</b>	
<b>OR sRUP</b>	
<b>WA I-502/I-692</b>	No
<b>WA ESSB 6206</b>	No

## Label Notices

<b>Organic Statement</b>	No
<b>Endangered Species</b>	No
<b>Groundwater</b>	No
<b>Spanish</b>	No

## Crops

Show more

## Pests

Show more

## Crops and Pests

Show more





WASHINGTON STATE  
UNIVERSITY



Home

Searches

Quick

Advanced

Lookup

Application

Crop

Formulation

Ingredient

Intended User

Pest

Pesticide Type

Registrant

Resistance

Signal Word

## Express Searches

All express searches search labels registered in the current year, plus the criteria listed with each search.

- **I-502/I-692 (WA only)**
  - I502 is Yes
  - Washington State
- **ESSB 6206 (WA only)**
  - ESSB 6206 is Yes
  - Washington State
- **Organic**
  - Organic is Yes
  - Both States
- **SLN by Number**
  - Current Year
  - Both States
- **Federal restricted-use pesticide (RUP)**
  - Both States
  - Usage Code is R
- **State restricted-use pesticide (SRUP; WA only)**

## Quick Search

State

WA

Intended User

HOME

EPA/State Reg. No.

exact

Product Name

Roundup  exact

Active Ingredient

Glyphosate  exact

Crop

YARD PLANT  exact

Pest

DANDELION  exact

Search





WASHINGTON STATE UNIVERSITY



- Home
- Searches
- Lookup
  - Application
  - Crop**
  - Formulation
  - Ingredient
  - Intended User
  - Pest
  - Pesticide Type
  - Registrant
  - Resistance
  - Signal Word
- Account
- API Documentation
- Help
- Privacy Policy
- Open Source
- CWR Home ↗
- CAHNRS Home ↗

Name	Code	Notes
<input type="text"/>	<input type="text"/>	<input type="text"/>
ADJUVANT (AQUATIC NON-CROP)	ADAN	Described in WAC 16-228-1231(2) as exempt from WSDA aquatic endorsement/Ecology NPDES permit. Used w/ aquatic no
ADJUVANT (AQUATIC)	ADAQ	Defined as state RUP per WAC 16-228-1231(1)(d). Is used with aquatic pesticides.
ADJUVANT (CROP)	ADCR	Used with crop pesticides in non-aquatic situations.
ADJUVANT (NON-CROP)	ADNC	Used with non-crop pesticides in non-aquatic situations.
AGRICULTURAL IRRIGATION WATER	AGWA	Treatment of agricultural waters used for irrigation. Related sites: AQUATIC SITE, CANAL WITH WATER, IMPOUNDED WATER
ALFALFA	ALFA	Includes hay but not GRASS HAY. A genetically modified crop is ALFALFA (ROUNDUP READY).
ALFALFA (ROUNDUP READY)	ALRR	A genetically modified crop. See related crop: ALFALFA.
ALFALFA (ROUNDUP READY) SEED CROP	ALRS	A genetically modified crop. See related crop: ALFALFA (ROUNDUP READY).
ALFALFA SEED CROP	ALSC	
ALL CROPLAND	ALCR	This code is typically associated with soil fumigants. It may be used in cases where the label is not more specific.
ALMOND	ALMO	
ALMOND (NON-BEARING)	ALNB	
ANIMAL QUARTERS	ANQD	This code is used for cages, kennels (indoor & outdoor) and bedding of domestic animals such as CATs, DOGS, BIRDS AND H
ANISE	ANIS	Crop Group 19B. See related code: HERB.
APPLE	APPL	Crop Group 11, Pome Fruit. Includes dormant uses. See related crops: APPLE (NON-BEARING) and APPLE (POST HARVEST).
APPLE (NON-BEARING)	APNB	Trees that will not produce harvestable crop during season of application or longer.
APPLE (POST HARVEST)	APPH	Fruit after harvest. See related crops: APPLE, FRUIT & VEGETABLE (POST HARVEST) and STORED FRUIT AND VEGETABLE.
APRICOT	APRI	Crop Group 12, Stone Fruit. Includes dormant uses. See related crops: APRICOT (NON-BEARING) and APRICOT (POST HARVI
APRICOT (NON-BEARING)	ATNB	Trees that will not produce harvestable crop during season of application or longer.
APRICOT (POST HARVEST)	ATPH	Fruit after harvest. See related codes: APRICOT, FRUIT & VEGETABLE (POST HARVEST) and STORED FRUIT AND VEGETABLE.
AQUARIA	AQUA	Includes aquarium and fish ponds. For fish hatcheries, see AQUATIC SITE.
AQUATIC PLANT	AQPL	
AQUATIC SITE	AQSI	This includes uses in most of the following sites: CANALS WITH WATER, fish hatcheries, IMPOUNDED WATER, lakes, ponds, i
AQUATIC SITE/ADJACENT AREA	AQAA	Products for use on areas bordering aquatic sites, such as beaches.
ARTICHOKE (GLOBE)	ARTI	Products for use on green or globe artichokes only (Crop Group 99). Does not include Chinese artichoke or Jerusalem artic
ARTICHOKE (JERUSALEM)	JEAR	Crop Groups 1 (Root & Tuber Vegetables), 1C and 1D (Tuberous & Corm Vegetables). See also: ARTICHOKE (GLOBE).





WASHINGTON STATE UNIVERSITY



Home

Searches

Lookup

Application

**Crop**

Formulation

Ingredient

Intended User

Pest

Pesticide Type

Registrant

Resistance

Signal Word

Account

API Documentation

Help

Privacy Policy

Name	Code	Notes
ornamental		
ORNAMENTAL	ORNA	Includes BULB, DECIDUOUS/SHADE TREE, EVERGREEN TREE, FLOWER, GROUND COVER, TRI
ORNAMENTAL (GREENHOUSE)	ORGH	
ORNAMENTAL BULB	BULB	This includes anemone, begonia, crocus, daffodil, dahlia, Easter lily, freesia, gladiolus, IRI
ORNAMENTAL BULB (GREENHOUSE)	BUGH	See related crop ORNAMENTAL BULB and ORNAMENTAL.
ORNAMENTAL BULB-DAFFODIL	BUDA	
ORNAMENTAL BULB-EASTER LILY	BUEL	
ORNAMENTAL BULB-IRIS	IRIS	
ORNAMENTAL BULB-LILY	BULI	
ORNAMENTAL BULB-NARCISSUS	NARC	
ORNAMENTAL BULB-TULIP	BUTU	
ORNAMENTAL DECIDUOUS/SHADE TREE	DEST	See related crops: ORNAMENTAL and ORNAMENTAL TREE.
ORNAMENTAL EVERGREEN TREE	EVTR	Trees that do not lose needles such as arborvitae, cypress, fir, yew, taxus, holly, etc. See i
ORNAMENTAL FLOWER	FLOW	See related crops: FLOWER (GREENHOUSE), ROSE, & ROSE (GREENHOUSE )
ORNAMENTAL FLOWER (GREENHOUSE)	FLGH	
ORNAMENTAL FLOWER SEED CROP	FLSC	
ORNAMENTAL GROUND COVER	GRCO	
ORNAMENTAL ROSE	ROSE	See related crop: ORNAMENTAL ROSE (GREENHOUSE) and ORNAMENTAL.
ORNAMENTAL ROSE (GREENHOUSE)	ROGH	
ORNAMENTAL SHRUB	SHRU	See related crop: ORNAMENTAL and ORNAMENTAL SHRUB (GREENHOUSE).
ORNAMENTAL SHRUB (GREENHOUSE)	SHGH	
ORNAMENTAL TREE	TREE	Includes flowering trees like Dogwood, non-bearing fruit trees, etc.
ORNAMENTAL VINE	VINE	Does not include GRAPE or KIWI. See related crop: ORNAMENTAL.





# Aerial with Ease



Home

Searches

Quick

**Advanced**

Lookup

Account

API Documentation

Help

Privacy Policy

Open Source

CWR Home ↗

CAHNRS Home ↗

## Advanced Search

### Global

State

Year

Intended User

### Regulatory

I-502/I-692

ESSB-6206

Endangered Species

### Other

Organic

Groundwater

Spanish

## Build Your Search

Application Type  Contains

# Build Your Search

Add Search Term

Application Type ▾ Contains ▾ Aerial

Add search o

Labels where

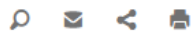
Good news! This is the first option in the drop down!







WASHINGTON STATE UNIVERSITY



Home

Searches

Quick

**Advanced**

Lookup

Account

API Documentation

Help

Privacy Policy

Open Source

CWR Home ↗

CAHNS Home ↗

Labels where  
[ApplicationType ...

AND Year = Curr...



Name	EPA/State Reg	Intended User	Ingredients	Resistance Coe	Concentration	Pesticide Type	Registrant Nar	SLN	Supplemental	Current Regist	Labels	Actions
ASSAIL 70W...	8033-23-705...	COMMERCIAL	ACETAMIPRID	4	70%	INSECTICIDE	UPL NA INC			WA	WA   OR	<a href="#">Details</a>
ASSAIL 30SG...	8033-36-705...	COMMERCIAL	ACETAMIPRID	4	30%	INSECTICIDE	UPL NA INC			WA	WA   OR	<a href="#">Details</a>
RALLY 40WS...	62719-410	COMMERCIAL	MYCLOBUTA...	3	40%	FUNGICIDE	CORTEVA A...			WA, OR	WA   OR	<a href="#">Details</a>
DITHANE M4...	62719-387	COMMERCIAL	MANCOZEB	M3	80%	ALGAECIDE ...	CORTEVA A...			WA, OR	WA	<a href="#">Details</a>
DITHANE F...	62719-396	COMMERCIAL	MANCOZEB	M3	37.0%	FUNGICIDE	CORTEVA A...			WA, OR	WA   OR	<a href="#">Details</a>
DITHANE RA...	62719-402	COMMERCIAL	MANCOZEB	M3	75%	ALGAECIDE ...	CORTEVA A...			WA		<a href="#">Details</a>
COPPER-CO...	10465-3	COMMERCIAL	COPPER AM...	M1	27.15%	ALGAECIDE ...	VENATOR C...			WA	WA   OR	<a href="#">Details</a>
DITHANE DF...	62719-402	COMMERCIAL	MANCOZEB	M3	75%	ALGAECIDE ...	CORTEVA A...			WA, OR	WA	<a href="#">Details</a>
RESIST 57 [1	82940-1	COMMERCIAL	PHOSPHORO...	P7	57.0%	FUNGICIDE	ACTAGRO LLC			WA	WA   OR	<a href="#">Details</a>
PASTUREGA...	62719-477	COMMERCIAL	FLUROXYPY...	O;O	8.6%;25.0%	HERBICIDE	CORTEVA A...			WA, OR	WA	<a href="#">Details</a>
SURMOUNT ...	62719-480	COMMERCIAL	FLUROXYPY...	O;O	10.64%;13.2...	HERBICIDE	CORTEVA A...			WA	WA	<a href="#">Details</a>
WIDEMATCH...	62719-512	COMMERCIAL	CLOPYRALID...	O;O	11.3%;12.3%	HERBICIDE	CORTEVA A...			WA, OR	WA   OR	<a href="#">Details</a>
FOREFRONT...	62719-524	COMMERCIAL	2,4-D TRIIS...	O;O	51.06%;6.58%	HERBICIDE	CORTEVA A...			WA, OR	WA   OR	<a href="#">Details</a>
GARLON 4 U...	62719-527	COMMERCIAL	TRICLOPYR...	O	60.45%	HERBICIDE	CORTEVA A...			WA, OR	WA   OR	<a href="#">Details</a>
LEDGER HER...	100-1162-55...	COMMERCIAL	METRIBUZIN...	C1;K3	13.8%;58.2%	HERBICIDE	TENKOZ, INC			WA, OR	WA   OR	<a href="#">Details</a>
CONSERVE S...	62719-291	COMMERCIAL	SPINOSAD	5	11.6%	INSECTICIDE	CORTEVA A...			WA, OR	WA   OR	<a href="#">Details</a>
BIFENTURE ...	70506-57	COMMERCIAL	BIFENTHRIN	3	25.1%	INSECTICIDE	UPL NA INC			WA	WA   OR	<a href="#">Details</a>
RIMON 0.83 ...	66222-35	COMMERCIAL	NOVALURON	15	9.3%	INSECTICIDE	MAKHTESHI...			WA	WA   OR	<a href="#">Details</a>
PROZAP ZIN...	61282-49	COMMERCIAL	ZINC PHOSP...	24	2.0%	RODENTICIDE	NEOGEN CO...	OR-050009		OR	OR	<a href="#">Details</a>
ZEAL MITICI...	59639-138	COMMERCIAL	ETOXAZOLE	10	72%	INSECTICIDE	VALENT USA...	WA-090001		WA	WA	<a href="#">Details</a>
RENOVATE 3...	62719-37-67...	COMMERCIAL	TRICLOPYR...	O	44.4%	HERBICIDE	SEPRO CORP...			WA	WA   OR	<a href="#">Details</a>
SCORCH [98	71368-117	COMMERCIAL	2,4-D ETHYL...	O;O;O	47.51%;10.4...	HERBICIDE	NUFARM AM...			WA, OR	WA   OR	<a href="#">Details</a>
CUEVA FUN...	67702-2-700...	COMMERCIAL	COPPER OCT...	M1	10%	FUNGICIDE	CERTIS USA ...			WA, OR	WA   OR	<a href="#">Details</a>
VECTOBAC ...	73049-486	COMMERCIAL	BACILLUS T...	11	2.80%	INSECTICIDE	VALENT BIO...			WA	WA   OR	<a href="#">Details</a>
METALARV S...	73049-475	COMMERCIAL	S-METHOPR...	7	4.25%	INSECTICIDE	VALENT BIO...			WA	WA   OR	<a href="#">Details</a>
SEIZE 35WP ...	59639-115	COMMERCIAL	PYRIPROXYF...	7	35.0%	INSECTICIDE	VALENT USA...			WA, OR	WA   OR	<a href="#">Details</a>
SELECT MAX...	59639-132	COMMERCIAL	CLETHODIM	A	12.6%	HERBICIDE	VALENT USA...			WA, OR	WA   OR	<a href="#">Details</a>
PROZAP ZIN...	61282-14	COMMERCIAL	ZINC PHOSP...	24	2.0%	RODENTICIDE	NEOGEN CO...			WA	WA   OR	<a href="#">Details</a>
ACEPHATE 9...	70506-8	COMMERCIAL	ACEPHATE (...	1	97%	INSECTICIDE	UPL NA INC			WA	WA   OR	<a href="#">Details</a>
LYNX EC 1.4...	82074-6	COMMERCIAL	PYRETHRINS	3	1.40%	INSECTICIDE	LAM INTERN...			OR	WA   OR	<a href="#">Details</a>

Report filtered | Export unfiltered | Export all rows/cols | Modify search | Clear search

| 2654 Records

https://picol.cahnrs.wsu.edu/Search/Quick

# SLNs for Aerial

- These will show up with the Advanced Search+Application+Aerial

DREXEL SUF...	19713-39	COMMERCIAL	SULFUR		52.0%	FUNGICIDE;I...	DREXEL CHE...		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
CLARITY HE...	7969-137	COMMERCIAL	DICAMBA, DI...	O	58.1%	HERBICIDE	BASF CORP		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
BRAWL HER...	100-816-554...	COMMERCIAL	S-METOLAC...	K3	83.7%	HERBICIDE	TENKOZ, INC		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
BRAWL II HE...	100-818-554...	COMMERCIAL	S-METOLAC...	K3	82.4%	HERBICIDE	TENKOZ, INC		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
BAYLETON F...	432-1445	COMMERCIAL	TRIADIMEFON	3	43%	FUNGICIDE	BAYER ENVI...		WA	<a href="#">WA   OR</a>	<a href="#">Details</a>
PRE-PARE 70...	66330-49	COMMERCIAL	FLUCARBAZ...	B	70%	HERBICIDE	ARYSTA LIFE...		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
SUPERSIX LI...	65343-1	COMMERCIAL	SULFUR		52.0%	FUNGICIDE;I...	JR SIMPLOT ...		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
DANITOL 2.4...	59639-35	COMMERCIAL	FENPROPAT...	3	30.9%	INSECTICIDE	VALENT USA...	WA-020014	WA	<a href="#">WA</a>	<a href="#">Details</a>
ATRAZINE 4...	66222-36	COMMERCIAL	ATRAZINE	C1	42.9%	HERBICIDE	MAKHTESHI...		WA	<a href="#">WA   OR</a>	<a href="#">Details</a>
YUKON HER...	81880-6-101...	COMMERCIAL	DICAMBA, S...	O;B	55.0%;12.5%	HERBICIDE	GOWAN CO.		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>
TRISTAR 8.5...	8033-106	COMMERCIAL	ACETAMIPRID	4	8.5%	INSECTICIDE	NISSO AMERI...	WA-110010	WA	<a href="#">WA</a>	<a href="#">Details</a>
DREXEL ME-...	19713-549	COMMERCIAL	METOLACHL...	K3	84.4%	HERBICIDE	DREXEL CHE...		WA, OR	<a href="#">WA   OR</a>	<a href="#">Details</a>





**RESTRICTED USE PESTICIDE  
DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS.**  
For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

**FIFRA Section 24(c) Special Local Need**



FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF WASHINGTON



EPA Reg. No. 59639-35  
EPA SLN No. WA-020014

**DANITOL<sup>®</sup> 2.4 EC SPRAY FOR CONTROL OF STINKBUG ON  
APPLE AND PEAR BY AERIAL APPLICATION**

This label for *Danitol* 2.4 EC Spray expires and must not be distributed or used in accordance with this SLN registration after December 31, 2023.

**DIRECTIONS FOR USE**

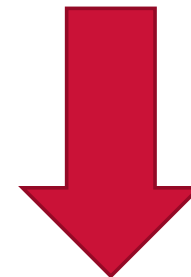
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.



# Why Use PICOL



- Read product labels before
  - Purchase
  - Use
  - Stocking up on PPE



Fungicide Trade Name Example <sup>1</sup>	Chemical Name <sup>7</sup>	Class	FRAC Group	Resistance Risk	Registered for PM <sup>3</sup>	Registered for Botrytis	Requires Respirator
Rovral, Nevado 4F	iprodione	Dicarboximide	2	High		*	Hand-held applications
Rally 40WSP	myclobutanil	DMI	3	Mod.	**		No
Orius 20AQ, Tebuzol 45DF	tebuconazole	DMI	3	Mod.	**		No
Mettle 125ME	tetraconazole	DMI	3	Mod.	**		No
Procure 480SC	triflumizole	DMI	3	Mod.	**		No
Unicorn DF	tebuconazole / sulfur <sup>2</sup>	DMI / Sulfur	3 / M2	Mod. / Low	**	Enhances Control	No
Inspire Super <sup>4</sup>	difenoconazole <sup>2</sup> / cyprodinil	DMI / AP	3 / 9	Mod. / High	***	*	No
Quadris Top <sup>4</sup>	difenoconazole <sup>2</sup> / <b>azoxystrobin</b>	DMI / QoI	3 / 11	Mod. / High	***		No
Kenja 400SC	isofetamid	SDHI	7	High	**	***	No
Aprovia	benzovindiflupyr	SDHI	7	Mod.-High	***		No
Endura	boscalid	SDHI	7	High / Mod.	**	*	No
Luna Experience	fluopyram <sup>4</sup> / tebuconazole	SDHI / DMI	7 / 3	High / Mod.	***	*	No
Miravis Prime	pydiflumetofen / fludioxonil	SDHI/PP	7 / 12	High / Mod.	Yes	Yes	No
Vanguard WG	cyprodinil	AP	9	High		*	Mixer/Loader
Scala SC	pyrimethanil	AP	9	High		*	No
Switch 62.5 WG	cyprodinil / fludioxonil	AP/PP	9 / 12	High / Mod.		*	Mixer/Loader
About	<b>azoxystrobin</b>	QoI	11	High	**	*	No
Sovran	<b>kresoxim-methyl</b>	QoI	11	High	**	*	No
Flint <sup>4</sup>	<b>trifloxvstrobin<sup>2</sup></b>	OoI	11	High	***	*	No



# Why Use PICOL

---

- Read product labels before
  - Purchase
  - Use
  - Stocking up on PPE
- Search for the right product for your site
- Find the right product for your pest
- Build a resistance management plan



**Quick Search**

**State**

Both ▾

**Intended User**

All ▾

**EPA/State Reg. No.**

exact

**Product Name**

exact

**Active Ingredient**

exact

**Crop**

ORNAMENTAL  exact

**Pest**

POWDERY MILDEW  exact



Name	EPA/State Reg. No.	Ingredients	Resistance Code
NATURAL GUARD BY FERTI-LOM...	67702-2-7401	COPPER OCTANOATE	M1
ECHO ZN AGRICULTURAL FUNGI...	60063-4	CHLOROTHALONIL	M5
CHLOROTHALONIL 82.5DF SELE...	89442-6	CHLOROTHALONIL	M5
PROPICZONE [12	83529-22-91026	PROPICONAZOLE	3
AGRISTAR BASIC COPPER 53 [29	45002-8	COPPER SULFATE BASIC	M1
KOPA INSECTICIDAL SOAP [66	67702-11-59807	POTASSIUM LAURATE	
PROCON-Z FUNGICIDE [209	34704-879	PROPICONAZOLE	3
LESCO MANICURE 6FL TURF & ...	60063-7-10404	CHLOROTHALONIL	M5
BONIDE FUNG-ONIL MULTI-PUR...	60063-9-4	CHLOROTHALONIL	M5
ATHENA IPM [1	93752-21001	CITRIC ACID;GERANIUM ...	
MONTEREY LIQUI-COP COPPER ...	54705-7	COPPER AMMONIA COMP...	M1
PHYTON 27 BACTERICIDE & FU...	49538-2	COPPER SULFATE PENTA...	M1
ARMADA 50 WDG [185	432-1513	TRIADIMEFON;TRIFLOXY...	3;11
FUNGI-PHITE [1	73771-5	PHOSPHOROUS ACID, M...	P7
SPORE QUELL 15% [12	63838-2-90930	HYDROGEN PEROXIDE (D...	
HACHI-HACHI SC INSECTICIDE [78	71711-36-67690	TOLFENPYRAD	21
TAEGRO 2 FUNGICIDE [8	70127-12	BACILLUS AMYLOLIQUEF...	44
GROWERS ALLY FUNGICIDE [5	996600-20005	CITRIC ACID	
QUALI-PRO CHLOROTHALONIL ...	53883-310	CHLOROTHALONIL	M5
BONIDE FRUIT TREE & PLANT G...	4-488	BOSCALID;LAMBDA-CYH...	7;3;11
PIPRON LIQUID CONCENTRATE [8	67690-1	PIPERALIN	5
OMNI BRAND CHLOROLTHALONI...	5905-602	CHLOROTHALONIL	M5
NU-COP XLR	42750-217	COPPER HYDROXIDE	M1
QUALI-PRO CHLOROTHALONIL ...	53883-313	CHLOROTHALONIL	M5



## Quick Search

## State

Both ▾

## Intended User

All ▾

## EPA/State Reg. No.

  exact

## Product Name

  exact

## Active Ingredient

  exact

## Crop

ORNAMENTAL  exact

## Pest

POWDERY MILDEW  exact

Search



Name	EPA/State Reg. No.	Ingredients	Resistance Code
NATURAL GUARD BY FERTI-LOM...	67702-2-7401	COPPER OCTANOATE	M1
ECHO ZN AGRICULTURAL FUNGI...	60063-4	CHLOROTHALONIL	M5
CHLOROTHALONIL 82.5DF SELE...	89442-6	CHLOROTHALONIL	M5
PROPICZONE [12	83529-22-91026	PROPICONAZOLE	3
AGRISTAR BASIC COPPER 53 [29	45002-8	COPPER SULFATE BASIC	M1
KOPA INSECTICIDAL SOAP [66	67702-11-59807	POTASSIUM LAURATE	
PROCON-Z FUNGICIDE [209	34704-879	PROPICONAZOLE	3
LESCO MANICURE 6FL TURF & ...	60063-7-10404	CHLOROTHALONIL	M5
BONIDE FUNG-ONIL MULTI-PUR...	60063-9-4	CHLOROTHALONIL	M5
ATHENA IPM [1	93752-21001	CITRIC ACID;GERANIUM ...	
MONTEREY LIQUI-COP COPPER ...	54705-7	COPPER AMMONIA COMP	M1
PHYTON 27 BACTERICIDE & FU...	49538-2	COPPER SULFATE PENTA...	M1
ARMADA 50 WDG [185	432-1513	TRIADIMEFON;TRIFLOXY...	3;11
FUNGI-PHITE [1	73771-5	PHOSPHOROUS ACID, M...	P7
SPORE QUELL 15% [12	63838-2-90930	HYDROGEN PEROXIDE (D...	
HACHI-HACHI SC INSECTICIDE [78	71711-36-67690	TOLFENPYRAD	21
TAEGRO 2 FUNGICIDE [8	70127-12	BACILLUS AMYLOLIQUEF...	44
GROWERS ALLY FUNGICIDE [5	996600-20005	CITRIC ACID	
QUALI-PRO CHLOROTHALONIL ...	53883-310	CHLOROTHALONIL	M5
BONIDE FRUIT TREE & PLANT G...	4-488	BOSCALID;LAMBDA-CYH...	7;3;11
PIPRON LIQUID CONCENTRATE [8	67690-1	PIPERALIN	5
OMNI BRAND CHLOROLTHALONI...	5905-602	CHLOROTHALONIL	M5
NU-COP XLR	42750-217	COPPER HYDROXIDE	M1
QUALI-PRO CHLOROTHALONIL ...	53883-313	CHLOROTHALONIL	M5







# Why Use PICOL

---

- Read product labels before
  - Purchase
  - Use
  - Stocking up on PPE
- Search for the right product for your site
- Find the right product for your pest
- Build a resistance management plan
- Skip the product that won't work!
- Figure out what went wrong previously
  - Someone else's oopsie

# Final Thoughts

- READ your label
  - FOLLOW your label
  - UNDERSTAND your label
- Look at PICOL to plan ahead





**Questions?**

**Thank you!**

**[rachel.bomberger@wsu.edu](mailto:rachel.bomberger@wsu.edu)**