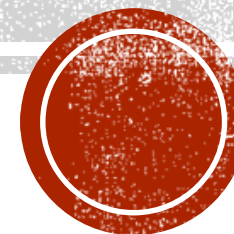


2016 WALNUT GROWER MEETING

Regulatory Information/Pesticide Update

Marcie Skelton, Glenn County Agricultural Commissioner



▪ **Agricultural/Weights & Measures Staff**

- Jason Beauchamp, Deputy
- Mirna Albarran-Jack, Biologist
- Craig Boschi, Biologist
- Greg Hinton, Biologist
- Ivan Leal, Biologist
- Tom Wong, Biologist
- Tina Brothers, Front Office
- Dottie LaCroix, Front Office

▪ **Water Resources Staff**

- Lisa Hunter, Water Resources Manger

▪ **Air Pollution/CUPA Staff**

- Air Pollution Program Manager – Vacant
- Eric Scott, CUPA Program Manger
- Ian Ledbetter, Air Pol. Specialist
- Kathryn McDaniel, Air Pol. & CUPA Specialist
- Kristen Pidcock, Air Pol. & CUPA Specialist
- Dana Owens, Front Office

**GLENN COUNTY
DEPARTMENT OF
AGRICULTURE
INCLUDES:**

Agriculture

Air Pollution

Certified Unified Program Agency

Water Resources

Weights & Measures

Contact Information:

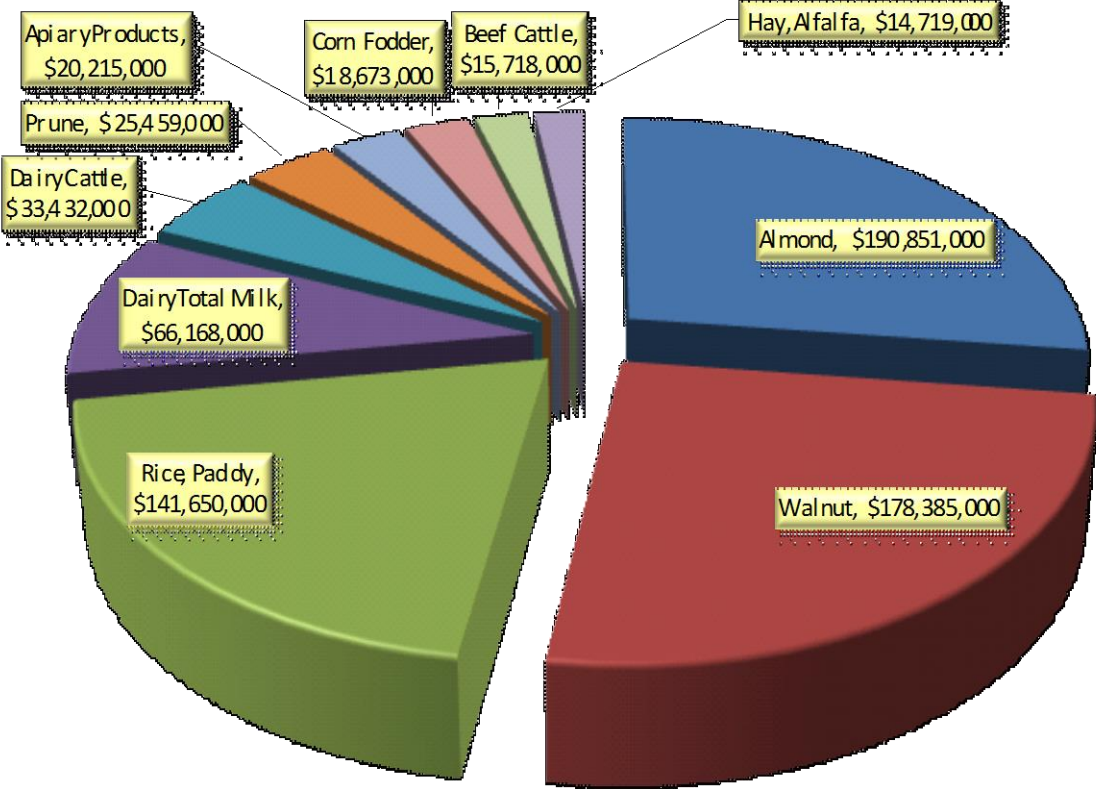
Ag/Water: 934-6501

Air Pollution/CUPA: 934-6500



2014 GLENN COUNTY CROP REPORT DATA

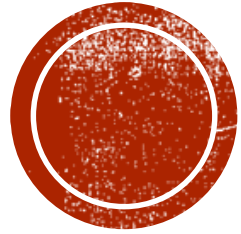
- Almonds \$190,851,000
- Walnuts \$178,385,000
- Rice \$141,650,000
- Milk \$66,168,000
- Dairy Cattle \$33,432,000
- Prunes \$25,459,000
- Apiary \$20,215,000
- Corn \$18,673,000
- Beef Cattle \$15,718,000
- Alfalfa \$14,719,000



GLENN & BUTTE PERMITS

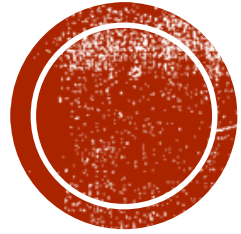
- Call and make an appointment to come in.
- Be ready to let office staff know if you have changes
- We want to be as ready as possible and estimate the right amount of time for your appointment





2016 REGULATORY & PESTICIDE UPDATE





CHLORPYRIFOS UPDATE

Restricted Material as of July 1, 2015

BASIC INFORMATION FOR USE OF CHLORPYRIFOS

- Restricted Use Pesticide as of 7/1/2015
- Notice of Intent to Ag office Required 24 hours prior to applications
- Respirator Required
- Organophosphate
- Highly Toxic to Bees – do not apply to blooming crops or weeds, call Tri-County Bee Notification 48 hours prior or application 530-934-6666
- NO Closed Mixing System Required
- Employees must be notified of an application both orally and by posting warning signs at entrance of treated area



PERSONAL PROTECTIVE EQUIPMENT REQUIRED

- Mixers, Loaders, Applicators, & Handlers:
 - Eye Protection
 - Coveralls over long-sleeved shirt & long pants
 - Chemical resistant gloves
 - Chemical resistant apron when mixing/loading or exposed to the concentrate
 - Chemical resistant footwear, plus socks
 - Chemical resistant head gear for overhead exposure
 - NIOSH-approved dust mist respirator (TC-21C) OR NIOSH-approved respirator (R,P or HE filter)



ENVIRONMENTAL HAZARDS LISTED ON LABEL

- Toxic to fish, aquatic invertebrates, small mammals and birds
- Do not apply directly to water or where surface water is present
- Drift and runoff may be hazardous to aquatic organisms
- Highly toxic to bees
- Do not apply or allow to drift to blooming crops or weeds if bees are visiting treatment area.



SETBACK DISTANCES

(MAY VARY FROM LABEL TO LABEL)

- The following treatment setbacks or buffer zones must be utilized for applications around aquatic areas

Application Method	Required Setback (Buffer zone)
Ground Boom	25 feet
Chemigation	25 feet
Orchard Airblast	50 feet
Aerial (fixed wing or helicopter)	150 feet



SENSITIVE SITES DEFINED

- Residential lawns, pedestrian sidewalks, play grounds, parks, athletic fields, etc.
- Homes/Farmworker housing
- Schools & Daycare centers
- Nursing Homes & Hospitals
- NOT INCLUDED: Non-residential Ag Buildings: Barns, Livestock facilities, Sheds, Out Buildings



CHLORPYRIFOS BEST MANAGEMENT PRACTICES

- Direct nozzles so spray is not projected above canopies
- Apply only when wind speed is a measured 3-10 mph at application site
- Outward pointing nozzles must be shut off when turning corners at row ends
- Shut off top nozzles when treating smaller trees, vines or bushes to minimize movement above the canopy



EMPLOYEES USING ORGANOPHOSPHATES

- Chlorpyrifos is an Organophosphate (OP)
- Medical Supervision Program (CCR 6728)
 - Applicable with pesticides with the signal word “DANGER” or “WARNING” that contains an organophosphate or carbamate
 - Implemented to evaluate an employee’s health and protect them **before** they are overexposed to OP’s and Carbamates
 - Includes a baseline blood sample and follow up cholinesterase test
 - When an employee “regularly handles” OP’s
 - ‘Regularly Handles’ Defined (DPR Enforcement Letter 05-25)
 - More than 6 days in any 30-day period, that employee falls under the requirements of medical supervision program



EMPLOYEES & RESPIRATOR REQUIREMENTS

- When respirator protection is required by label, restricted material permit condition, regulation or the employer, you must have written procedures that include:
 - Selecting
 - Fitting
 - Cleaning
 - Maintaining the equipment



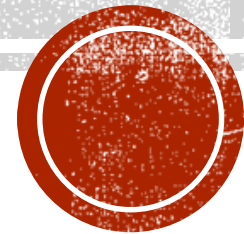
EMPLOYEES & RESPIRATOR REQUIREMENTS

- Before employees can use a respirator:
 - Written Respirator Program
 - Medical Evaluation
 - Confidential questionnaire
 - Only need re-evaluation if something in their health changes that may effect safe use of respirator
 - Fit Test (for tight-fitting respirators)
 - Completed Annually
 - Procedures for proper use, cleaning, storing, inspecting, repairing, discarding



CLOSED MIXING SYSTEM UPDATES

Required as of January 1, 2016



- California Code of Regulations
 - Title 3. Food and Agriculture
 - Division 6. Pesticides and Pest Control Operations
 - Section 6746. Closed Mixing Systems Requirements
- Closed mixing systems are engineering controls used to protect workers from skin hazards when mixing pesticides that have high acute dermal toxicity.
- When to use a closed mixing system is, as of January 1, 2016, determined by the PRECAUTIONARY STATEMENT on the label.
- No longer use the signal word (Caution, Warning, Danger) to determine if employees must use a closed mixing system
- Please talk to the Ag Department and/or your PCA to answer your questions

NEW CLOSED MIXING SYSTEM REQUIREMENTS

**In Regulations and
enforceable as of
January 1st, 2016**



PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Fatal if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

Corrosive. Causes irreversible eye damage.

Do Not Breathe Dust.

Do Not Contaminate Food or Feed Products.

Once a container has been opened, use it completely. Make sure the hoppers are emptied while still in the field. Refer to **STORAGE AND DISPOSAL** statement for further instructions.

Keep Out of Reach of Domestic Animals. Not for Use or Storage in or around the Home.

Fatal if absorbed through skin.
Closed Mixing System Tier 1 Required

May be fatal as a result of skin contact
Closed Mixing System Tier 2 Required

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Danger

Poisonous if swallowed or inhaled. May be fatal or harmful as a result of skin or eye contact or by breathing spray mist. Causes cholinesterase inhibition. Warning symptoms of poisoning include weakness, headache, sweating, nausea, vomiting, diarrhea, tightness in chest, blurred vision, pinpoint eye pupils, abnormal flow of saliva, abdominal cramps, and unconsciousness. Atropine sulfate is antidotal.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin
Closed Mixing System Not Required



DANGER / POISON
PELIGRO

May be fatal if swallowed. Fatal if inhaled. Do not breathe spray mist. Wear a dust mist NIOSH-approved respirator with any N, R, P, or HE filter. Causes substantial but temporary eye injury. Wear protective eyewear (face shield required when mixing/loading). Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid contact with skin.

IMPORTANT: Inhalation is an unlikely route of exposure due to low vapor pressure and large spray droplet size, but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin.

CLOSED MIXING SYSTEM REQUIRED?

For EMPLOYEES engaged in MIXING and/or LOADING

- 1) Based on Dermal Statement: Read **Precautionary Statements** to determine if a TIER 1 or TIER 2 Closed Mixing System is required
- 2) Always follow the label...

The Label is the Law



- Eye protection is required anytime a Closed Mixing System is in use, not just when the system is under pressure
- Closed Mixing System operating instructions are required to be on location for all closed mixing systems whether commercially produced or not
- Requirements apply to the mixing and rinsing of liquid concentrates and do not apply to dust or granular formulation. Pesticides packaged into water soluble bags are considered a Closed Mixing System

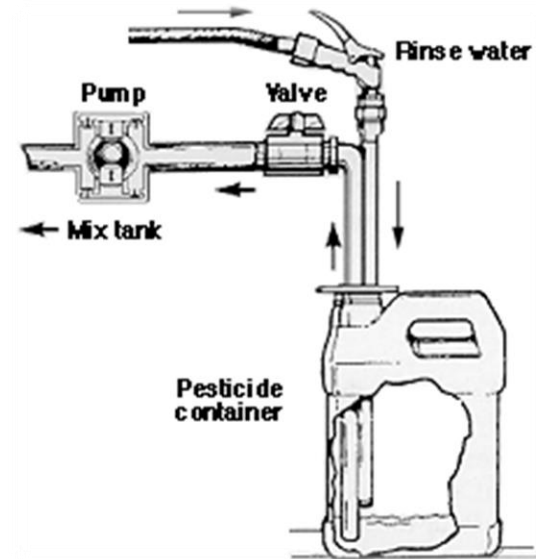
TIER 1 & TIER 2

**Other Regulations
concerning
employee use of
Closed Mixing
Systems**



TIER 1 VS TIER 2

- **TIER 1** Closed Mixing Systems must have integrated container rinsing abilities



- **TIER 2** Closed Mixing Systems do not have integrated container rinsing abilities

Tier 1:

“Fatal if absorbed through skin”
or comparable language

Tier 2:

“May be fatal if absorbed
through skin” or “Corrosive,
causes skin damage” or other
comparable language



PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

**Corrosive. Causes irreversible eye damage. Harmful if swallowed.
Do not get in eyes or on clothing. Avoid contact with skin.
Prolonged or frequently repeated skin contact may cause allergic
reaction in some individuals.**

SPRAYER LABEL

Agri Star®
By Albaugh Inc.

ORCHARD STAR®

Herbicide

For selective control of many broadcast weeds in orchard floors (apple, pear, stone fruit and nut).

Manufactured by:
ALBAUGH, INC.
1525 NE 36th Street
Ankeny, Iowa 50021

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL CHEMTREC (800) 424-9300

ACTIVE INGREDIENT:
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid 45.8%

OTHER INGREDIENTS 54.2%

TOTAL 100.0%

Equivalent to 38.9% of 2,4-dichlorophenoxyacetic acid or 3.8 lb./gal. Isomer specific by AOC Method.
EPA Reg. No. 42750-19 EPA Est. No. 42750-M0-001

**KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO**

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.)

FIRST AID	
IF IN EYES:	• Hold eye open and flush slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue flushing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

NOT FOR HOME USE

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

NOTE TO PHYSICIAN
Prolonged or frequent use may contribute to the use of gastric lavage.

See inside booklet for additional PRECAUTIONARY STATEMENTS.

40070708

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are butyl rubber, natural rubber, neoprene or nitrile rubber. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, bladders, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves (except for pilots)
- Chemical-resistant apron when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate
- Protective eyewear (goggles or face shield).

See Engineering Controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

ENGINEERING CONTROLS STATEMENTS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240 (c)(6)].

When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a distem or well may result in contamination of drinking water or groundwater.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Reduce all partially used containers by thoroughly tightening screw cap. Absorb any spill with a suitable clay absorbent and dispose of as indicated under Pesticide Disposal.

Protect from freezing. If stored below freezing, the product must be warmed to at least 70 °F and agitated before using. This does not affect the efficiency of the product.

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities. To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially used pesticides should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

(continued)

**NO CLOSED
MIXING
SYSTEM
REQUIRED**



RESTRICTED USE PESTICIDE

Due to Reproductive Effects and Acute Toxicity

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. Direct supervision for this product is defined as the certified applicator being physically present during mixing, loading, equipment repair and equipment cleaning. Certified applicators must ensure that all persons involved in these activities under their direct supervision are informed of the precautionary statements.

ATTENTION: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

MSR[®] SPRAY CONCENTRATE

SYSTEMIC INSECTICIDE FOR EFFECTIVE SYSTEMIC CROP PROTECTION

ACTIVE INGREDIENT:

Oxydemeton-methyl: S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate	% By Wt. 25.0%
OTHER INGREDIENTS	75.0%
	TOTAL 100.0%

Contains 2 lbs. S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate per U.S. gallon

(This product contains petroleum distillates.)

-STOP-

READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

DANGER - POISON
 **PELIGRO - VENENO** 

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.)

FIRST AID ORGANOPHOSPHATE	
If swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
This product may pose an aspiration pneumonia hazard. Contains petroleum distillates. This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. Probable mucosal damage may contraindicate the use of gastric lavage.	



NET CONTENTS 2.5 GALLONS

EPA Reg. No. 10163-220
EPA Est. No. 67545-AZ-1



Produced For:
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

Fatal if absorbed through skin.

CAUTION! KEEP AWAY FROM HEAT AND OPEN FLAME

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER - POISON

PELIGRO - VENENO

Corrosive. Fatal if swallowed. Fatal if absorbed through skin. Fatal if inhaled. Causes skin burns. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist.

See Side/Back Panel for additional precautionary statements.

**TIER 1
CLOSED
MIXING
SYSTEM
REQUIRED**



RESTRICTED USE PESTICIDE

DUE TO AQUATIC TOXICITY, AMIAN HAZARD, ACUTE ORAL TOXICITY AND EYE CORROSIVITY HAZARD

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.

SUPRACIDE® 2E INSECTICIDE

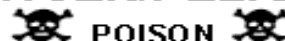
For control of certain insects in artichokes; certain citrus, fruits and nuts; cotton; nursery stock; olives; safflowers; and sunflowers

ACTIVE INGREDIENT:		% BY WT.
Methidathion: O,O-dimethyl phosphorodithioate, S-ester with 4-(mercaptomethyl)-2-methoxy Δ^2 -1,3,4thiadiazolin-5-one	24.4%
OTHER INGREDIENTS	75.6%
TOTAL	100.0%

Supracide 2E contains 2 lbs. active ingredient per gallon.
Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO



POISON

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.)

FIRST AID

f in eyes	<ul style="list-style-type: none">Hold eye open and rinse slowly and gently with water for 15-20 minutes.Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.Call a poison control center or doctor for treatment advice.
f swallowed	<ul style="list-style-type: none">Call a poison control center or doctor immediately for treatment advice.Have person sip a glass of water if able to swallow.Do not induce vomiting unless told to do so by the poison control center or doctor.Do not give anything by mouth to an unconscious person.
f inhaled	<ul style="list-style-type: none">Move person to fresh air.If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.Call a poison control center or doctor for further treatment advice.
f on skin or clothing	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information.

NOTE TO PHYSICIAN

This product may pose an aspiration pneumonia hazard. Contains petroleum distillates. Methidathion is a cholinesterase inhibitor. Atropine is antidotal and should be given as early poisoning symptoms appear. 2-PAM is also antidotal and may be administered in conjunction with atropine. If swallowed, lavage stomach taking care to avoid aspiration of stomach contents into lungs. Instill 30-50 gm. slurry of activated charcoal in water into the stomach after lavage.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER/PELIGRO

POISON

Fatal if swallowed. Corrosive. Causes irreversible eye damage. May be fatal if absorbed through skin. May be fatal if inhaled. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

NET CONTENTS ___ GALLONS



RESTRICTED USE PESTICIDE
DUE TO AQUATIC TOXICITY, AMIAN HAZARD, ACUTE ORAL TOXICITY AND EYE CORROSIVITY HAZARD
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.

SUPRACIDE® 2E
INSECTICIDE

For control of certain insects in artichokes; certain citrus, fruits and nuts; cotton; nursery stock; olives; safflowers; and sunflowers

ACTIVE INGREDIENT: Methidathion: O,O-dimethyl phosphorodithioate, S-ester with 4-(mercaptomethyl)-2-methoxy- Δ^2 -1,3,4-thiadiazolin-5-one24.4%
OTHER INGREDIENTS75.6%
% BY WT.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER/PELIGRO
POISON

Fatal if swallowed. Corrosive. Causes irreversible eye damage. May be fatal if absorbed through skin. May be fatal if inhaled. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

First aid: If swallowed, give milk or water to drink. If symptoms appear, get medical attention. If inhaled, get fresh air and rest. If on skin, wash with soap and water. If in eyes, flush with water for 15 minutes. If swallowed, give milk or water to drink. If symptoms appear, get medical attention. If inhaled, get fresh air and rest. If on skin, wash with soap and water. If in eyes, flush with water for 15 minutes.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
DANGER/PELIGRO
POISON

Fatal if swallowed. Corrosive. Causes irreversible eye damage. May be fatal if absorbed through skin. May be fatal if inhaled. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

**TIER 2
CLOSED
MIXING
SYSTEM
REQUIRED**

NET CONTENTS ___ GALLONS

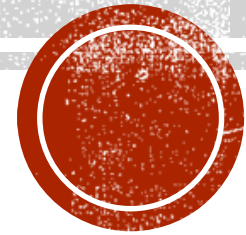
EPA Reg. No. 10163-236
EPA Est. No. 67546-AZ-1



Produced For:
Gowan Company
P.O. Box 5569
Yuma, Arizona 85366-5569



MANZATE REMINDERS



MANZATE REMINDERS

- No NOI required/No Section 18 – Walnuts listed on manufacturer’s Supplemental Label
- Must have **supplemental label** in possession during application
- **Not all labels are the same** – read the label of the product you buy
- Reapplication Intervals are not the same
 - Pro-Stick 7-10 days
 - Penncozeb 75DF 7-10 days
 - Flowable 10 days
 - Max 7-10 days





Supplemental Label

MANZATE[®] FLOWABLE FUNGICIDE

EPA Reg. No. 70506-236

For Use on Walnuts

This supplemental label expires on July 30, 2016 and must not be used or distributed after this date.

DIRECTIONS FOR USE

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

The supplemental labeling and the entire MANZATE FLOWABLE FUNGICIDE container label, EPA Registration Number 70506-236, **must be in possession of the user at the time of application.** Read the label affixed to the container for MANZATE FLOWABLE FUNGICIDE before applying. Carefully follow all precautionary statements and applicable use directions. Use MANZATE FLOWABLE FUNGICIDE according to this supplemental labeling is subject to the use precautions and limitations imposed by the label affixed to the container for MANZATE FLOWABLE FUNGICIDE.

Read the Limitation of Warranty and Liability on the container labeling before buying or using MANZATE FLOWABLE FUNGICIDE. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the container label.

USE RATES AND APPLICATION TIMING FOR USE ON WALNUTS

Disease	Rate MANZATE FLOWABLE FUNGICIDE per application	Directions for use
Walnut Blight (<i>Xanthomonas campestris</i> pv. <i>Juglandis</i>)	1.8 qts/A (1.8 lbs ai)	Apply by ground in a minimum of 100 gallons water per acre, or by air in a minimum of 10 gallons water per acre. Do not apply through any irrigation system. Begin applications at early pre-

**SUPPLEMENTAL
LABEL MUST BE
IN POSSESSION
OF THE USER
AT TIME OF
APPLICATION**



USE RATES AND APPLICATION TIMING FOR USE ON WALNUTS

DISEASES CONTROLLED	RATE MANZATE PRO-STICK FUNGICIDE PER APPLICATION LBS/ACRE	DIRECTIONS FOR USE	RESTRICTIONS/COMMENTS
Walnut Blight (<i>Xanthomonas campestris</i> pv. <i>Juglandis</i>)	2.4 lbs/A (1.8 lbs ai)	Apply by ground in a minimum of 100 gallons water per acre, or by air in a minimum of 10 gallons water per acre. Begin application at early pre-bloom prior to or when catkins are partially expanded. Make additional application during bloom and early nutlet stage, or as needed if frequent rainfall occurs.	<p>Do not apply through any irrigation system.</p> <p>The reapplication interval is 7-10 days.</p> <p>Do not make more than 10 applications per season. Do not apply more than 24 lbs. product (18 lbs ai) per acre per use season.</p> <p><u>For aerial applications only:</u> Mixer/loaders must wear filtering particulate respirator with an N,R, or P filter, NIOSH approval prefix TC-84A.</p> <p>This product must be tank mixed with a fixed copper product (such as Cuprofix Ultra 40 Disperss, EPA Reg. No. 70506-201) which is registered for use on walnuts.</p> <p>Preharvest Interval: Do not apply within 75 days before harvest.</p>

MANZATE PROSTICK

EPA REG. NO. 70506-234

SUPPLEMENTAL LABEL



READ ENTIRE LABEL

- Labels frequently change
- Many materials are now federally restricted
- Increased PPE requirements
Chemical resistant boots, apron
- Buffer zones
- Posting requirements
- Supplemental labels

● 12. Precautionary statements
● 13. Hazards to humans and domestic animals
● 10. Statement of practical treatment
● 11. Note to physician
● 9. Signal word
● 16. Directions for use

EZD-Pest Insecticide and Fungicide **SHAKE WELL BEFORE USING**

STATEMENT OF PRACTICAL TREATMENT— If in eyes: Flush with plenty of water. Call a physician. If in skin: Wash with plenty of soap and water. Get medical attention if irritation persists. If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol, if inhaled: Remove victim to fresh air. First breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention. **NOTE TO PHYSICIAN** Carbaryl is a moderate reversible cholinesterase inhibitor. Atropine is antidote. Emergency medical information call 1-800-732-0293.

DIRECTIONS FOR USE— It is a violation of Federal law to use this product in a manner inconsistent with its labeling. EZD-Pest Insecticide and Fungicide is a complete concentrate containing fungicide, acaricide, miticide, scabicide and spreader-sticker. Easy to use, mixes with water instantly; no plugging, nozzles; no messy powders to handle, measure or mix; no pre-mixing or straining necessary. Designed especially for home gardens to protect roses, evergreens and flowers from the ravages of listed insects and diseases.

SHAKE PRODUCT THOROUGHLY BEFORE USING. Contains micronized particles which settle upon standing and require re-mixing by agitation. Choose a cool, calm period, preferably early morning or evening. Shake sprayer occasionally or agitate to keep spray particles in suspension during application.

ROSES, EVERGREENS AND FLOWERS
Insects: Aphids, apple maggot, bagworm, black cutworm, bud moth, cherry fruit fly and worm, codling moth, plum curculio, flea beetles, fruit tree leaf roller, gypsy moth, Japanese beetle, leaf hoppers, lesser peach tree borer, mealy bugs, mistle clover, European red, two spotted and Wiletski, oriental fruit moth, pear slug, psylla, red banded leaf roller, scale (Forbes, Pulver, San Jose), spittle bug, tent caterpillars, unspotted tentiform leaf miner, and yellow neck caterpillar.
Diseases: Bitter rot, black spot, black rot, blossom blight, Botrytis/gray rot, botrytis blossom-end rot, brown rot, coryneum blight, downy mildew, fly speck, frog eye, leaf spot, scab, and sooty blotch.

MIX 1½ TABLESPOONS PER GALLON OF WATER
Begin applications when pests or disease symptoms first appear or conditions favor their development and repeat at weekly intervals or as necessary to maintain control. Remember, it is easier to prevent damage than to cure it. Therefore, a preventive spray schedule is recommended. Do not use if rain is expected shortly after application. Select still periods for application (early morning or evening) to reduce waste by blowaway and blow back applicator. Spray in early morning or in the evening to avoid direct sunlight. Do not apply through any type of irrigation equipment.

STORAGE AND DISPOSAL
STORAGE— Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of food and feedstuffs. Store in a cool, dry place, preferably in a locked storage area.
DISPOSAL— PRODUCT— Empty container should be rinsed and discarded in trash. **CONTAINER**— Do not reuse empty jug. Rinse thoroughly before discarding in trash.

NOTICE— Buyer assumes all responsibility for safety and use not in accordance with directions.

● 15. Physical or chemical hazards
● 14. Environmental hazards
● 17. Storage and disposal



READ ENTIRE LABEL

- Many copper products require eyewash for fieldworkers
- More products require respiratory protection



GLENN & BUTTE COUNTY AG OFFICES

Glenn County Agriculture Department

Commissioner: Marcie Skelton

720 N. Colusa Street

Willows

530-934-6501

Butte County Agriculture Department

Commissioner: Louie Mendoza

316 Nelson Ave

Oroville

530-538-7381



DEPARTMENT OF PESTICIDE REGULATIONS

WWW.CDPR.CA.GOV

- List of Continuing Education classes, including online credit
- Training and safety information
- Pesticide product information
- Laws & Regulations
- Forms and Handouts



OTHER SOURCES OF INFORMATION

- countyofglenn.net
- buttecounty.net
- agrian.com
- cdfa.ca.gov
- ucanr.org
- cdms.net



THANK YOU, ANY QUESTIONS?

