2013 TEHAMA COUNTY WALNUT DAY



Regulatory Update
Tehama County Ag Department

Doug Compton

Tehama County Dept. of Agriculture February 1, 2013

Continuing Ed Credit



0.5 hour - Laws & Regs; 2.0 – hours other

Valid for Private Applicators, QAL, PCA, Etc.

Be sure to sign in before you leave

Get a receipt if you're from out of county

Permits

- Please call to make an appointment
- When Section 18 exemption is granted, must revisit for amendment
- Must be signed by owner/operator or authorized agent
- Second year for new permit program







Soil Fumigant Restrictions

EPA Phase I changes (1/1/11)-GAPs, PPE, FMPs

Respiratory Protection required for some formulations; sensory triggers for others

Fumigation Management Plans required can be found here:

www.cdpr.ca.gov/docs/enforce/prenffrm/dpr-enf-227.pdf

Soil Fumigant Restrictions

EPA Phase II changes (1/1/12)-

- Buffer zones dependent on rate, acreage and modifications
- Notifications of surrounding properties
- Online training for certified applicator

www.epa.gov/pesticides/reregistration/soil_fumigan ts/soil-fum-handlers.html

California vs Federal

- CDPR working to reconcile differences in state vs. federal requirements
- With Methyl Bromide, we can use existing buffer zones
- Otherwise, we must use most stringent between label and state regulations

Tree Hole Fumigation

Still available for some materials

Methyl Bromide Telone Chloropicrin

All regulations for field fumigation are in place (FMP, Respiratory Protection, Training, etc), so it can be difficult for private applicators to meet all requirements.

Commercial applicators are performing these types of spot fumigations.

Sec 18 Manzate

- Sec 18 Registration expired 6/15/12
- Sec 18 tolerance established through 2013
- Has been approved by USEPA and should be available for California by late February
- Must come in to amend permit





Respiratory Protection

- Regulation has been in place for three years
- Applies to employees required to wear respirators







Respiratory Protection

- Written training program-annual
- Medical evaluationrenew if changes in health
- Fit test-annual



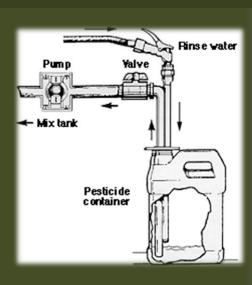
Respiratory Protection

Voluntary respirator use has minimal requirements

No longer any approved cabs for respiratory protection

Closed System

- Required for employees mixing/loading category I liquids or minimal exposure pesticides
- Some manufactured closed systems now meet DPR criteria
- Can use water soluble bag, owner mix or fabricate own system (it must be approved by CAC)





Closed System

- CDPR looking at revising this regulation
- Original regulation dealt with many acutely toxic liquids (there are very few of these left)
- Will address those materials that are most hazardous by dermal contact
- Concept is to base requirement on dermal exposure rather than Signal Word

What to Look for on Labels



SPECIMEN LABEL

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

TOTAL		<u>53.</u> 100/
		8 bs./gal. Isomer specific by J.O.C. Method
BPX Reg. No. 42750		EPA Est. No. 42750-MO-0
KEEP	OUT OF REACH	OF CHILDREN
Silusted no entie	NGER — F nde la etiqueta, busque a alguien pa notunderstand frisitabel, find some	ra que se la explique a usted en detalli
	FIRST AID	
FINEYES	Hold eye open and rinse slowly and g Remove contact lenses, if present, aft Call a poison control center or doctor	er the first 5 minutes, then continue rinsing e
FSWALLOWED:	Call a poison control center or doctor Have person sip a glass of water if at Do not induce working unless told to Do not give anything by mouth to an	ble to swellow. I do so by the poison control center or doctor
FON SKIN OR CLOTHING:	Take off contaminated dothing Rinse skin immediately with plenty of visiter for 15-20 minutes. Call a poison control center or doctor for treatment advice.	
FINHALED:	Move person to thesh air. If person is not breathing, call 911 o preferably by mouth-to-mouth, if pos Call a poison control center or doctor	
	HOT LINENUMB	
	rtainer or label with you when calling a po contact 1-800-424-9300 for emergency m	ison control center or doctor, or going for tre nedical treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corresive. Causes ineversible 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 nubber, neoprene or nitrile nubber. If you want more options, follow the instructions for Category Alon an EPA chemical resistance category selection chart.

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

- Long-sleeved shirt and long pants
- Shoes and sodis
- Chemical-resistant gloves (except for pilots)
- Chemical resistant apron when applying with any handheld nozzle or equipment, mixing or loading, dearing 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 disended or heavily contaminated with this products concentrate. Donot reuse them, Follow manufacturer's instructions for deaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Reep and wash PPE separately from other launchy. After each day of use, clothing or PPE must not be reused until if this 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 (d)(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 gurn, using tobacco or using the foliet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPEinmediately after handing this product. Wash the outside of gloves before removing. As scorr as possible, wash thoroughly and change into dean clothing.

ENVIRONMENTAL HAZARDS

This pestidde may be toxic to fish and aquatic invertebrates. Do nortapply directly to water, or to areas where surface water is present, or to interficial areas below the mean high water mark. Drift and nunoff may be hazardous to aquatic organisms in water adjacent to freated areas. Do not contaminate water when disposing of equipment washwaters or instate. Apply this productionly 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 disternior well may result in contamination of chinking water or groundwater.

Most cases of groundwater contamination involving phenoxy herbiddes such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pestiddes at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pestidde will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious paid 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, insectoides, or fungicides. Redose all partially used containers by thoroughly tightening screw cap. Absorb any spill with a suitable day absorbent and dispose of as indicated under Pestik idei Disposal.

Protect from freezing, if stored below freezing, the product must be warmed to at least 70 % and agitated before using. This does not affect the effidency of the product.

For safety and prevention of unauthorized use, all pestidides should be stored in looked fadilities. To prevent addidental misuse, different pestidides 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)

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.



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PERSONAL PROTECTIVE EQUIPMENT

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- All mixers, loaders, applicators, flaggers, and other handlers must wear:
- Long-sleeved shirt and long pants
 Shoes and socks
- Chemical-resistant gloves (except for pilots)
- Chemical resistant appronishen applying with any handheld nozze or equipment, mixing or loading, deaning up spills or equipment, or otherwise exposed to the concentrate
- Profective eyewear (goggles or face shield).

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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 dean clothing.
- Remove PPE immediately after handing this product. Wash the outside of gloves before removing. As soon as possible, wash floroughly and change into dean citating.

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RESTRICTED USE PESTICIDE

DUE TO AQUATIC TOXICITY, AMAN 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: 0,0-dimethyl phosphorodithioate, S-ester with 4-(mercaptomethyl)-2-methoxy-Δ²-1,3,4-thiadiazolin-5-one	24.4%
OTHER INGREDIENTS	75.6%
TOTAL	1 <u>00.0%</u>

Supracide 2E contains 2 bs. active ingredient per gallon. Contains Petroleum Distilate

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	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	 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 vorniting unless told to do so by the poison control center or doctor. 	
	Do not give anything by mouth to an unconscious person.	
f 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.	
For skin or dothing	Take off contaminated dothing.	
	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.

EPA Reg. No. 10163-236 EPA Est. No. 67545-AZ-1

Methidathion is a cholinesterase inhibitor. Aropine 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. sturry 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 dothing. Wash thoroughly after handling.

NET CONTENTS GALLONS

<u>Gowan</u>

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



DUE TO AQUIATIC TOXICITY, AVIAN HAZARD, ACUTE ORAL TOXICITY AND EYE CORROSIVITY HAZARD

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NET CONTENTS ____ GALLONS

<u>Gowan</u>

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

New and Proposed Regulations

- Non-ag surface water protection now active
- Ag use surface water protection beyond current dormant spray regs are being considered
- First generation rodenticides now restricted
- Second generation rodenticides being reviewed for use restrictions

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

- I2. Precautionary statements
- I3. Hazards to humans and domestic animals
 - 10. Statement of practical treatment I I. Note to physician
 - 9. Signal word I 6. Directions for use

EZD-Pest Insecticide and Fungicide

SHAKE WELL BEFORE USING

STATEMENT OF PRACTICAL TREAT- DIRECTIONS FOR USE MENT:—I'm eyes, Digit with plonty of water. / It is a violation of Federal law to use this product it.
Call a physician. If we sain: Wearn with plenty - tent with its labeling. of scap and water. Get medical attention if intation persists. If swallowed: Drink promptly a large quantity of milk, egg whites, goldtin seartificial respiration, preferable mouth-to-mouth. Germedical attention. NOTETO PHY-SICIAN Carboyl is a moderal pversable chainse-lesses inhibitor, Aropina sumistras. Emergency medical information call 1-800-

- ding. Avoid contact with skin and clothing. gloves thoroughly with scep and water before removing. Clothing worn while handling this product must be laundered separately from
- ENVIRONMENTAL HAZARDS This pestcide is toxic to fish, squarto invertebrates, and aguatic We stages of amphibians. Do not agply directly to water. Drift and runoff my be hadandous to accusic organishms in areas near the product is highly toxic to bees exposed to di-nect treatment on bisconing crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or seen flame. Do not store below 32°F. (

EZD-Pest insecticide and Fungicide is a complete concentrate cotaining fungicide, aphicide, miticide, scalicide and aprender-oricide. Easy to use; mixes with water instantly; no plugging nazzles; no messy pow class to handle, measure or mic, no pre-mixing or straining necessary Designed especially for home gardene to protect reese, evergreens and flowers from the raveges of listed insects and diseases.

SHAKE PRODUCT THOROUGHLY BEFORE USING. Cortains reference particles which settle upon standing and require reblending by agitation. Choose a cool, calm period, preferably early marring or evening. Shake sprayer occasionally or agitate to keep oping particles in suspen-

Insects: Aphics, apple maggot, bagworn, black sulworn, bud molt cherry fruit By and worm, coding moth, plum ourculo, fee bearies, fruit tree leaf roles; gypsy moth, Japanese beets, leaf hoppers, lesser peach tree boner, meety bugs, mites (clover, European red, two spotted and Wilmettel, oriental fluit moth, poer slugs, psylle, not banded leaf roller, scale Frorbes, Puttern, San Josef, spille bug, fert callepitars, unepot-ted tentiform leaf miner, and joilow nack caterpiller.

Diseases: Bitter rot, black spot, black rot, blossom blight, Bothyasphands rat, botrytis blossom end rot, brown rot, coryneum blight, downy mildew. fly speck, frog eye, lead spot, ecab, and sooty blotch.

Bugin applications when posts or disease symptoms first appear or con citions favor their development and repeat at weekly intervals or as nec easary to maintain control. Plamember, it is easier to prevent damage than to cure it. Therefore, a preventive sprey schedule is recommende Do not use if rain is expected shortly after application. Select at II periods for application (early morning or evening) to reduce waste by blow away and blow back applicator. Spray in early morning or in the evening to avoid direct surlight. Do not apply through any type of imigetion equip-

STORAGE Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and Facebluffs. Store in a cool, dry place, preferably in a facked storage area. DISPOSAL: PRODUCT-Empty container should be finsed and discerded in treat. CONTAINER.—Do not reuse empty jug. Rimse thoroughly before discarding in trash.

NOTICE: Buyer assumes all responsibility for safety and use not in accontinuos with directions.

I 5. Physical or chemical hazards

14. Environmental hazards

I7. Storage and disposal

Read Entire Label

Many copper products require eyewash for fieldworkers

More products require respiratory protection



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

- www.co.tehama.ca.us
- www.agrian.com
- www.cdfa.ca.gov
- www.ucanr.org
- www.cdms.net



Thank You

Be sure to sign in for CE credit

San Francisco 31 Baltimore 24