Ventura County Agricultural Commissioner

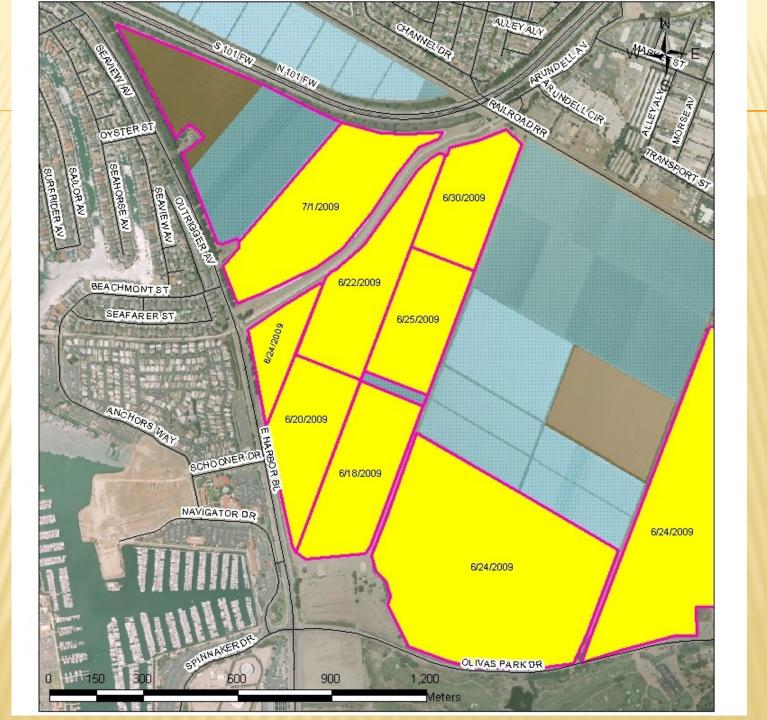
2011 PERMIT CONDITIONS

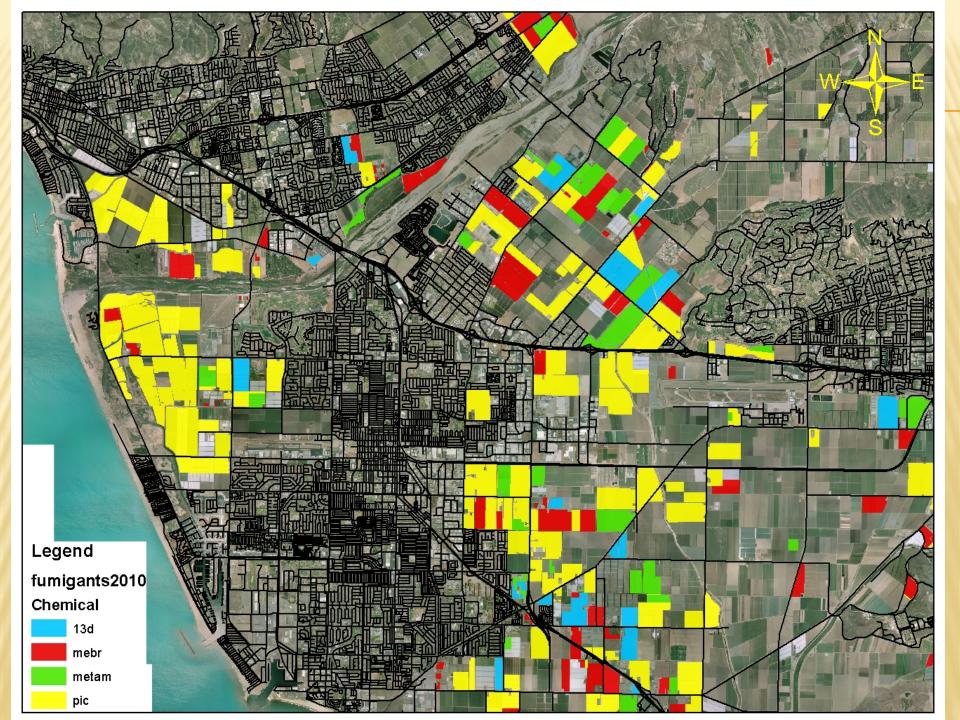
CHANGES 2011

- * School Buffer
- * Chloropicrin
- Volatile Organic Compounds
- New Fumigant Labels

SCHOOL BUFFER

- * Bans RM use within 1/4 -mile
 - * While School is in Session
- × When School IS NOT in Session:
 - Contact School
 - Report Activity on NOI
 - × Ag Commissioner's Discretion





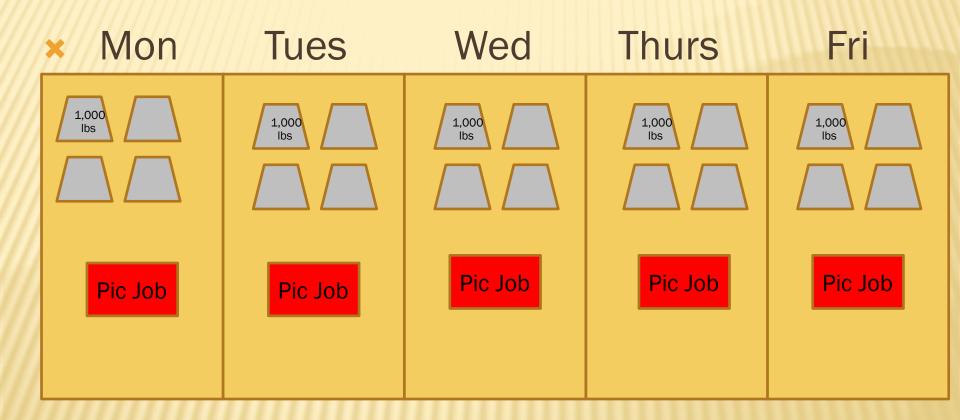
CHLOROPICRIN -DRIP APPLICATION

- * Tarpaulins
 - + Limiting Embossed Polyehtylene (PE)
 - + Encouraging Low-emission Tarps (VIF, TIF, 2-mil PE)
- × Water Seals
- Acreage Limits

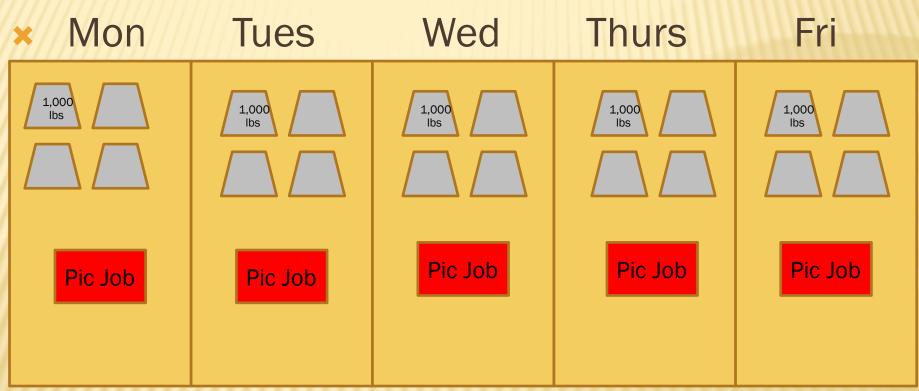
Effective Rate of Chloropicrin (ER)

Within any 48-hr Period: Effective Rate (ER) x Acres

- - + More than ½ mi from any Occupied Structure
- Must be < 8,000 lbs</p>
 Must be < 4,000 lbs</p>
 - + Within ½ mi of any Occupied Structure

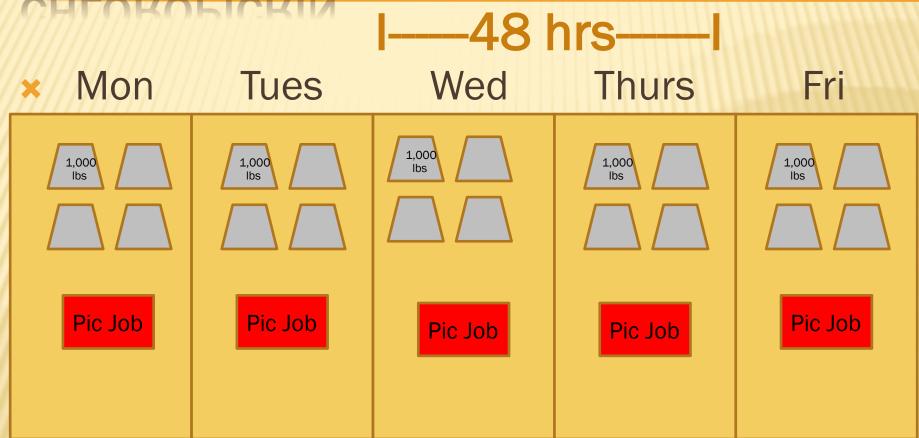


|---48 hrs----|

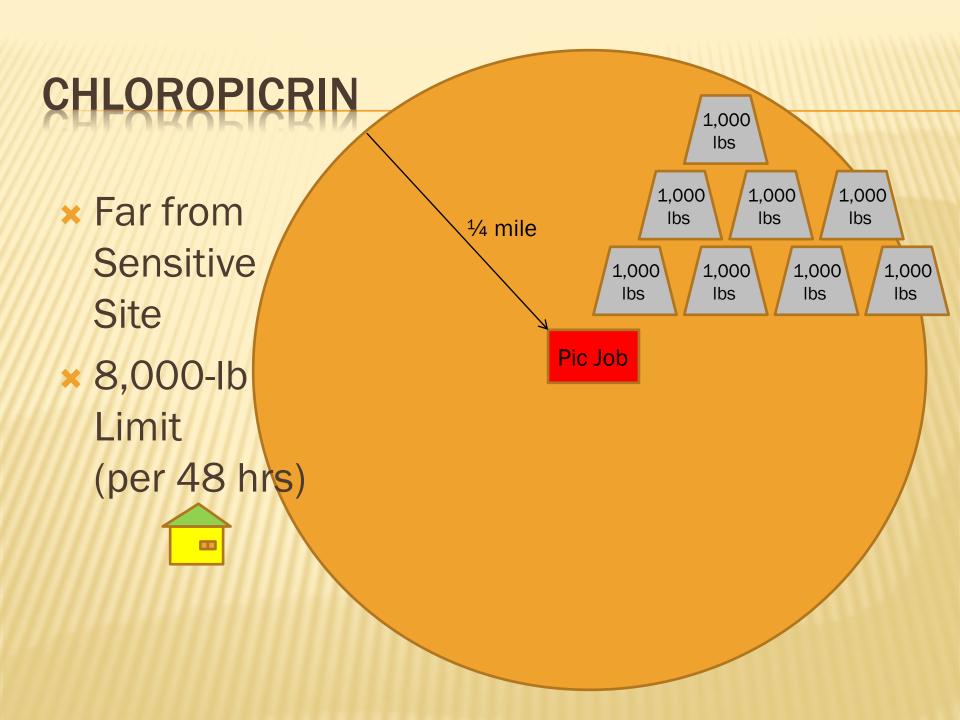


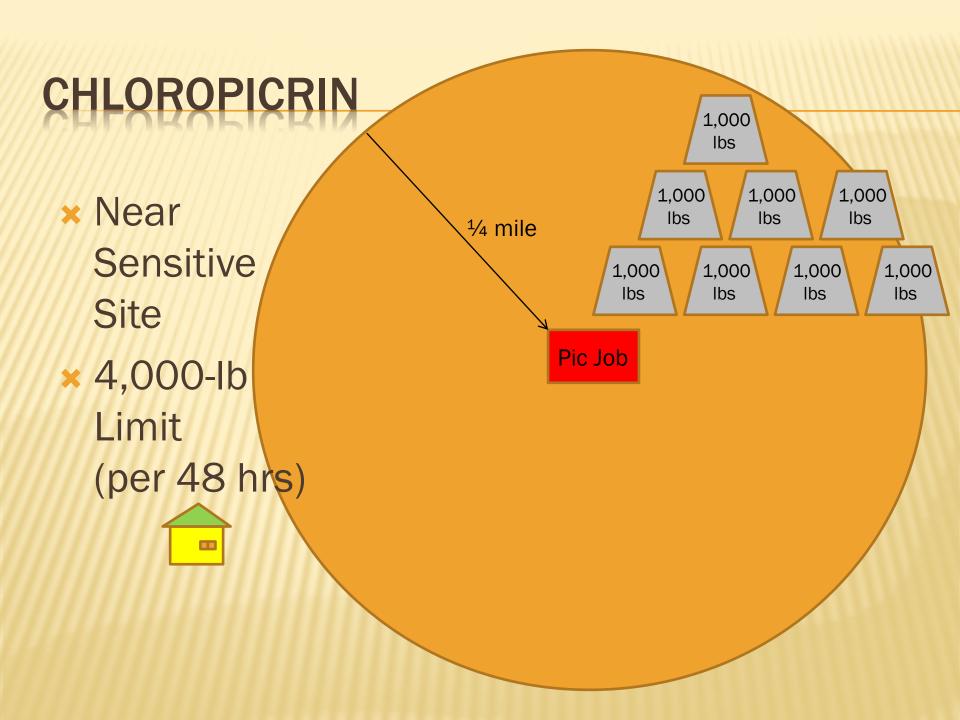












- Effective Rate (ER)
 - + Lbs Active Ingredient / Acre (AI)
 - + Tarp Factor (TF)
 - + Water Seal Factor (WSF)

× ER =

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 \times ER = AI x TF x WSF

TF (Tarp Factor)

$$+ = 0.5$$
 TIF tarp

$$+ = 0.67$$
 VIF tarp

$$+ = 1.0$$
 All other tarps

WSF (Water Seal Factor)

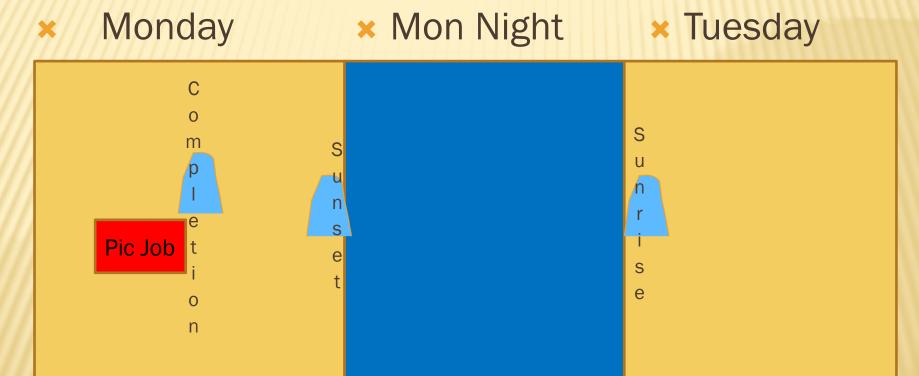
$$+ = 0.5$$
 3 water seals

$$+ = 0.65$$
 2 water seals

$$+ = 0.8$$
 1 water seal

$$+ = 1.0$$
 No water seal

Water Seal Schedule -15 minutes each



1st Water Seal
2nd Water Seal

3rd Water Seal

$ER = AI \times TF \times WSF$

- Pic-60 (62% Chloropicrin)
- × 200 lbs/ acre
- × 1.25-mil PE Tarp
- 2 Water Seals
- Within ¼ mi of an occupied structure
- = 200lbs/acre X 0.62 = 124 lbs/acre
- × = 1.0
- × = 0.65

× ER = 124 X 1 X 0.65 = 80.6

WSF (Water Seal Factor)

- = 0.5 3 water seals
- = 0.65 2 water seals
- = 0.8 1 water seal
- = 1.0 No water seal
- = 0.9 1-3 water seals
- & TIF, VIF, or 2-mil PE

TF (Tarp Factor)

- = 0.5 TIF tarp
- = 0.67 2-mil std PE
- = 0.67 VIF tarp
- = 1.0 All other tarps

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- × 200 lbs/ acre
- x 1.25-mil PE Tarp
- × 2 Water Seals
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- *** Al** = 200lbs/acre X 0.62 = **124 lbs/acre**
- × TF= 1.0
- *WSF = 0.65

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= 0.67 2-mil std PE

= 0.67 VIF tarp

= 1.0 All other tarps

 \times ER = 124 X 1 X 0.65 = 80.6 lbs / acre

Within ¼ mi of an occupied structure:

ER x acres < 4,000 lbs

80.6 x acres < 4,000 80.6 80.6 WSF (Water Seal Factor)
= 0.5 3 water seals
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= 0.8 1 water seal
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Chloropicrin Chemigation Acreage Limit Calculator

Instructions:

•Enter conditions into tan cells.

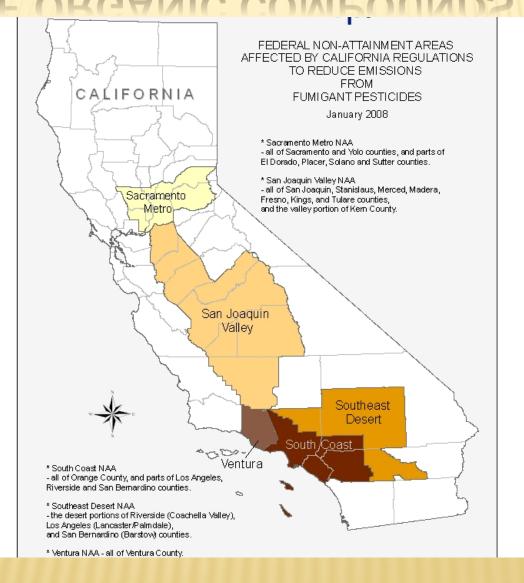
•Acres permitted per 48-hr period will appear at right.

•Enter rates as: ga/acre for InLine and Pic-Clor.

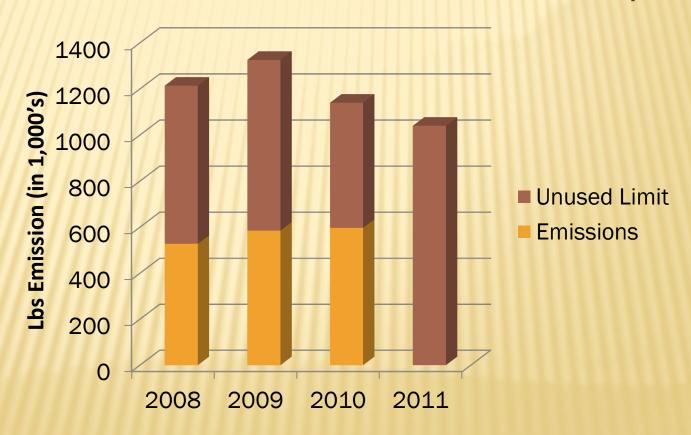
•For all others, enter: lbs/acre.



EPA Reg. No.	Rate/Acre	Tarp Type	Number of Water Seals	Within 1/4 mile of an <u>Occupied</u> Structure	Chloropicrin (Lbs/Acre)	Acres / 48- hr Period
66330-47	200	2-mil	1	no	199	67
Nutra-Pic	lbs/acre	TF = 0.67	WSF = 0.9	max 8000 lbs	ER = 120 lbs	/ acre



May-Oct VOC Emissions vs Emission Cap



☐ Check here if this is a supplemer Permittee / Business Name:					Operator Identification /	Permittee Signature:				Phone #:		
											7	
Site Identification #	Commodity Treated	Section	Township	Range	Product EPA / CA Registration Number	Product Name	Application Rate/Acre*	Units (gals or lbs/ac)	Fumigation Method Code	Fumigated Acres*	Earliest Application Month	Latest Application
			-								,	
				/								
				-								
										7		
	nal Information Require s of additional emission					Permittee Comments:						
			•									
CAC	Comments:											
				-								
					d area, the fumigated acre led by the fumigated acre		ed area and	the furro	ow area.	The app	olication	rate is

- No Application to Obtain a Fumigant VOC Emission Allowance
- No Emission Allowances



NEW FUMIGANT LABELS

- Fumigation Management Plan (FMP)
- Label language:
- * FMP must be "available on site"

- × Permit Condition Clarifies to:
- FMP must be on site prior to and during fumigation

Andy Calderwood Supervising Ag Biologist

Ventura County Agricultural Commissioner

2011 PERMIT CONDITIONS