Appendix N

Volatile Organic Compounds

Overview

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California Department of Pesticide Regulation METHYL BROMIDE Field Fumigation Methods Allowed, by Geographic Area

Note: Restrictions on fumigation methods are in effect May 1 through October 31, in certain geographic areas (see table). From November through April, any label method may be used, anywhere in California. (Regulations and permit conditions that already restricted the use of fumigants still apply.)

Methyl Bromide	Methods Allowed From May 1 Through October 31, by Geographic Area				
Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
	6447.3				
Nontarpaulin/Shallow/Bed [†]	(a)(1)	1101			
Nontarpaulin/Deep/Broadcast	(a)(2)	1102	√		\checkmark
Tarpaulin/Shallow/Broadcast - Nobel Plow	(a)(3)	1103	1	1	1
Tarpaulin/Shallow/Broadcast - Nobel Plow – Strip	(a)(3)	1104	\checkmark		٦
Tarpaulin/Shallow/Broadcast - Closing shoe and compaction roller [†]	(a)(3)	1105			
Tarpaulin/Shallow/Bed	(a)(4)	1106	\checkmark		\checkmark
Tarpaulin/Deep/Broadcast	(a)(5)	1107	\checkmark	√	\checkmark
Tarpaulin/Deep/Broadcast - Strip	(a)(5)	1108	\checkmark		\checkmark
Drip System - Hot Gas	(a)(6)	1109	\checkmark		1
Tarpaulin/Shallow/Broadcast – Nobel Plow–with tarp eligible for 60% credit	(a)(3)	1143	V	4	V
Tarpaulin/Shallow/Broadcast – Nobel Plow – Strip –with tarp eligible for 60% credit	(a)(3)	1144	\checkmark		\checkmark
Tarpaulin/Shallow/Broadcast – Closing shoes and compaction roller–with tarp eligible for 60% credit	(a)(3)	1145	V		\checkmark
Tarpaulin/Shallow/Bed –with tarp eligible for 60% credit	(a)(4)	1146	\checkmark		\checkmark
Tarpaulin/Deep/Broadcast –with tarp eligible for 60% credit	(a)(5)	1147	\checkmark	√	\checkmark
Tarpaulin/Deep/Broadcast – Strip with tarp eligible for 60% credit	(a)(5)	1148	7		\checkmark
Drip System - Hot Gas –with tarp eligible for 60% credit	(a)(6)	1149	4		√
Other label methods		1190			√

[†]Method is no longer allowed.

California Department of Pesticide Regulation CHLOROPICRIN Field Fumigation Methods Allowed, by Geographic Area

Note: Restrictions on fumigation methods are in effect May 1 through October 31, in certain geographic areas (see table). From November through April, any label method may be used, anywhere in California. (Regulations and permit conditions that already restricted the use of fumigants still apply.)

Chloropicrin	Methods Allowed From May 1 Through October 31, by Geographic Area				
Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
CHLOROPICRIN WITH METHYL BROMIDE	6447.3				
Nontarpaulin/Shallow/Bed	(a)(1)	1101	\checkmark		\checkmark
Nontarpaulin/Deep/Broadcast	(a)(2)	1102	\checkmark		\checkmark
Tarpaulin/Shallow/Broadcast - Nobel Plow	(a)(3)	1103	1	1	\checkmark
Tarpaulin/Shallow/Broadcast - Nobel Plow - Strip	(a)(3)	1104	V		\checkmark
Tarpaulin/Shallow/Broadcast - Closing shoe and compaction roller	(a)(3)	1105	1		\checkmark
Tarpaulin/Shallow/Bed	(a)(4)	1106	\checkmark		\checkmark
Tarpaulin/Deep/Broadcast	(a)(5)	1107	\checkmark	√	\checkmark
Tarpaulin/Deep/Broadcast - Strip	(a)(5)	1108	\checkmark		\checkmark
Drip System - Hot Gas	(a)(6)	1109	\checkmark		\checkmark
Tarpaulin/Shallow/Broadcast – Nobel Plow–with tarp eligible for 60% credit	(a)(3)	1143	V	4	\checkmark
Tarpaulin/Shallow/Broadcast – Nobel Plow – Strip –with tarp eligible for 60% credit	(a)(3)	1144	V		1
Tarpaulin/Shallow/Broadcast – Closing shoes and compaction roller–with tarp eligible for 60% credit	(a)(3)	1145	V		٦
Tarpaulin/Shallow/Bed –with tarp eligible for 60% credit	(a)(4)	1146	\checkmark		\checkmark
Tarpaulin/Deep/Broadcast –with tarp eligible for 60% credit	(a)(5)	1147	\checkmark	1	\checkmark
Tarpaulin/Deep/Broadcast – Strip with tarp eligible for 60% credit	(a)(5)	1148	\checkmark		\checkmark
Drip System - Hot Gas –with tarp eligible for 60% credit	(a)(6)	1149	\checkmark		\checkmark
Other label method		1190			1

Chloropicr	Methods Allowed From May 1 Through October 31, by Geographic Area				
Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
CHLOROPICRIN WITH 1,3-DICHLOROPROPENE	6448.1				
Nontarpaulin/Shallow/Broadcast or Bed	(d)(1)	1201	1		1
Tarpaulin/Shallow/Broadcast	(d)(2)	1202	1		1
Tarpaulin/Shallow/Bed	(d)(2)	1203	1		1
Nontarpaulin/Shallow/Broadcast or Bed/Three water treatment	(d)(3)	1204	\checkmark	√	\checkmark
Tarpaulin/Shallow/Bed/Three Water Treatments	(d)(4)	1205	\checkmark	√	1
Nontarpaulin/Deep/Broadcast or Bed	(d)(5)	1206	\checkmark		\checkmark
Tarpaulin/Deep/Broadcast	(d)(6)	1207	\checkmark	√	\checkmark
Tarpaulin/Deep/Bed [†]	(d)(6)	1208			
Chemigation (Drip System)/Tarpaulin	(d)(7)	1209	1	√	1
Nontarpaulin/Deep/Strip	(d)(5)	1210	\checkmark	√	1
Nontarpaulin/Deep/GPS targeted	(d)(5)	1211	\checkmark	1	1
Tarpaulin/Shallow/Broadcast – with tarp eligible for 60% credit	(d)(2)	1242	\checkmark	√	\checkmark
Tarpaulin/Shallow/Bed with tarp eligible for 60% credit	(d)(2)	1243	\checkmark		\checkmark
Tarpaulin/Shallow/Bed/Three Water Treatments – with tarp eligible for 60%	(d)(4)	1245	\checkmark	\checkmark	\checkmark
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(d)(6)	1247	\checkmark	√	٦
Tarpaulin/Deep/Bed – with tarp eligible for 60% credit [†]	(d)(6)	1248			
Tarpaulin/Deep/Broadcast-strip – with tarp eligible for 60% credit	(d)(6)	1249	\checkmark	√	\checkmark
Chemigation (Drip System)/Tarpaulin - with tarp eligible for 60% credit	(d)(7)	1259	\checkmark	\checkmark	\checkmark
Other label methods		1290			۸
CHLOROPICRIN ONLY	6447.3				
Nontarpaulin/Shallow/Bed [†]	(a)(1)	1101			
Nontarpaulin/Deep/Broadcast	(a)(2)	1102	√		1
Tarpaulin/Shallow/Broadcast - Nobel Plow	(a)(3)	1102	√	√	1
Tarpaulin/Shallow/Broadcast - Nobel Plow - Strip	(a)(3)	1104	\checkmark		1
Farpaulin/Shallow/Broadcast - Closing shoe and compaction roller [†]	(a)(3)	1105			
Tarpaulin/Shallow/Bed	(a)(4)	1106	√		1

[†]Method is no longer allowed.

Tarpaulin/Deep/Broadcast	(a)(5)	1107	1	\checkmark	\checkmark
Tarpaulin/Deep/Broadcast - Strip	(a)(5)	1108	1		√
Tarpaulin/Shallow/Broadcast – Nobel Plow – with tarp eligible for 60%	(a)(3)	1143	\checkmark	\checkmark	\checkmark
Tarpaulin/Shallow/Broadcast – Nobel Plow – Strip – with tarp eligible for 60% credit	(a)(3)	1144	\checkmark	۸	V
Tarpaulin/Shallow/Broadcast – Closing shoes and compaction roller – with tarp eligible for 60% credit [†]	(a)(3)	1145			
Tarpaulin/Shallow/Bed – with tarp eligible for 60% credit	(a)(4)	1146	√	\checkmark	1
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(a)(5)	1147	√	\checkmark	1
Taurpaulin/Deep/Broadcast – Strip – with tarp eligible for 60% credit	(a)(5)	1148	√	V	~
	6448.1				
Nontarpaulin/Shallow/Broadcast or Bed	(d)(1)	1201	√		1
Tarpaulin/Shallow/Broadcast	(d)(2)	1202	√	√	√
Tarpaulin/Shallow/Bed	(d)(2)	1203	√		1
Nontarpaulin/Shallow/Broadcast or Bed/Three water treatment	(d)(3)	1204	\checkmark	\checkmark	\checkmark
Tarpaulin/Shallow/Bed/Three Water Treatments	(d)(4)	1205	\checkmark	\checkmark	\checkmark
Nontarpaulin/Deep/Broadcast or Bed	(d)(5)	1206	\checkmark		\checkmark
Tarpaulin/Deep/Broadcast	(d)(6)	1207	√	\checkmark	√
Tarpaulin/Deep/Bed [†]	(d)(6)	1208			
Chemigation (Drip System)/Tarpaulin	(d)(7)	1209	√	\checkmark	√
Nontarpaulin/Deep/Strip	(d)(5)	1210	√	\checkmark	1
Nontarpaulin/Deep/GPS targeted	(d)(5)	1211	√	\checkmark	1
Tarpaulin/Shallow/Broadcast – with tarp eligible for 60% credit	(d)(2)	1242	1	V	~
Tarpaulin/Shallow/Bed with tarp eligible for 60% credit	(d)(2)	1243	\checkmark	\checkmark	\checkmark
Tarpaulin/Shallow/Bed/Three Water Treatments – with tarp eligible for 60%	(d)(4)	1245	\checkmark	\checkmark	\checkmark
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(d)(6)	1247	\checkmark	\checkmark	\checkmark
Tarpaulin/Deep/Bed – with tarp eligible for 60% credit [†]	(d)(6)	1248			
Tarpaulin/Deep/Broadcast-strip – with tarp eligible for 60% credit	(d)(6)	1249	√	1	7
Chemigation (Drip System)/Tarpaulin - with tarp eligible for 60% credit	(d)(7)	1259	√	1	1
-					
Other label method		1390	Regulations Title 3		√

Abbreviations: NAA: nonattainment area; 3CCR: California Code of Regulations, Title 3

For more information, including a map of the NAAs, go to <u>www.cdpr.ca.gov</u>, click on "A-Z Index," then "VOC regulations."

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[†]Method is no longer allowed.

California Department of Pesticide Regulation

1,3-DICHLOROPROPENE (With or Without Chloropicrin) Field Fumigation Methods Allowed, by Geographic Area

Note: Restrictions on fumigation methods are in effect May 1 through October 31, in certain geographic areas (see table). From November through April, any label method may be used, anywhere in California. (Regulations and permit conditions that already restricted the use of fumigants still apply.)

1,3-dichloropropene	Methods Allowed From May 1 Through October 31, by Geographic Area				
Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
	6448.1				
Nontarpaulin/Shallow/Broadcast or Bed	(d)(1)	1201	√		\checkmark
Tarpaulin/Shallow/Broadcast	(d)(2)	1202	\checkmark		\checkmark
Tarpaulin/Shallow/Bed	(d)(2)	1203	\checkmark		\checkmark
Nontarpaulin/Shallow/Broadcast or Bed/Three water treatment	(d)(3)	1204	\checkmark	√	\checkmark
Tarpaulin/Shallow/Bed/Three Water Treatments	(d)(4)	1205	\checkmark	1	\checkmark
Nontarpaulin/Deep/Broadcast or Bed	(d)(5)	1206	\checkmark	\checkmark	\checkmark
Tarpaulin/Deep/Broadcast	(d)(6)	1207	\checkmark	\checkmark	\checkmark
Tarpaulin/Deep/Bed [†]	(d)(6)	1208			
Chemigation (Drip System)/Tarpaulin	(d)(7)	1209	1	√	1
Nontarpaulin/Deep/Strip	(d)(5)	1210	√	√	1
Nontarpaulin/Deep/GPS targeted	(d)(5)	1211	\checkmark	√	1
Tarpaulin/Shallow/Broadcast – with tarp eligible for 60% credit	(d)(2)	1242	\checkmark	√	\checkmark
Tarpaulin/Shallow/Bed with tarp \eligible for 60% credit	(d)(2)	1243	1		\checkmark
Tarpaulin/Shallow/Bed/Three Water Treatments – with tarp eligible for 60%	(d)(4)	1245	\checkmark	\checkmark	\checkmark
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(d)(6)	1247	\checkmark	1	\checkmark
Tarpaulin/Deep/Bed – with tarp eligible for 60% credit [†]	(d)(6)	1248			
Chemigation (Drip System)/Tarpaulin - with tarp eligible for 60% credit	(d)(7)	1259	\checkmark	1	\checkmark
Other label method		1290			√

[†]Method is no longer allowed.

California Department of Pesticide Regulation METAM-SODIUM AND METAM-POTASSIUM Field Fumigation Methods Allowed, by Geographic Area

Note: Restrictions on fumigation methods are in effect May 1 through October 31, in certain geographic areas (see table). From November through April, any label method may be used, anywhere in California. (Regulations and permit conditions that already restricted the use of fumigants still apply.)

Metam-sodium and	Methods Allowed From May 1 Through October 31, by Geographic Area				
metam-potassium Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
	6450.1				
Daytime applications					
Sprinkler/Broadcast or Bed/One Water Treatment	(d)(1)	1401	A		\checkmark
Sprinkler/Broadcast or Bed/Two Water Treatments	(d)(2)	1402	4	4	\checkmark
Sprinkler/Broadcast or Bed/Three Water Treatments	(d)(3)	1403	٦	4	٦
Nontarpaulin/Shallow/Broadcast or Bed/One Water Treatment	(d)(4)	1404	1		\checkmark
Nontarpaulin/Shallow/Broadcast or Bed /Two Water Treatments	(d)(5)	1405	V	V	\checkmark
Nontarpaulin/Shallow/Broadcast or Bed/Three Water Treatments	(d)(6)	1406	A	4	\checkmark
Chemigation (Drip System) Tarpaulin	(d)(7)	1407	\checkmark	√	V
Chemigation (Drip System) Nontarpaulin	(d)(7)	1408	4	4	\checkmark
Rotary Tiller	(d)(8)	1409	\checkmark	√	\checkmark
Power Mulcher	(d)(8)	1410	\checkmark	√	V
Soil Capping	(d)(8)	1411	\checkmark	√	1
Flood*	(d)(9)	1412	\checkmark		\checkmark
Drench	(d)(12)	1413	\checkmark	√	\checkmark
Chemigation (Drip System) Tarpaulin with tarp eligible for 30%	(d)(7)	1447	A	V	\checkmark
Nighttime applications					
Night 1 A.M. Start/Sprinkler/Broadcast or Bed/Two Water Treatments	(d)(2)	1452	1		\checkmark
Night 1 A.M. Start/Nontarpaulin/ Shallow/Broadcast or Bed/Two Water Treatments	(d)(10)	1455	V	\checkmark	\checkmark
Night 4 A.M. Start/Sprinkler/Broadcast or Bed/Two Water Treatments	(d)(11)	1472	\checkmark	√	V
Other label method		1490			1

*Application may occur during the daytime or nighttime.

California Department of Pesticide Regulation DAZOMET Field Fumigation Methods Allowed, by Geographic Area

Note: Restrictions on fumigation methods are in effect May 1 through October 31, in certain geographic areas (see table). From November through April, any label method may be used, anywhere in California. (Regulations and permit conditions that already restricted the use of fumigants still apply.)

dazomet			Methods Allowed From May 1 Through October 31, by Geographic Area		
Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
	6450.2				
Soil incorporation		1501	\checkmark	√	\checkmark
Surface application - water incorporation		1502	V	√	\checkmark
Other label method		1590			\checkmark

California Department of Pesticide Regulation SODIUM TETRATHIOCARBONATE Field Fumigation Methods Allowed, by Geographic Area

Note: Restrictions on fumigation methods are in effect May 1 through October 31, in certain geographic areas (see table). From November through April, any label method may be used, anywhere in California. (Regulations and permit conditions that already restricted the use of fumigants still apply.)

sodium tetrathiocarbonate	Methods Allowed From May 1 Through October 31, by Geographic Area				
Method name	Regulation Section (3CCR)	Field Fumigation Method Code	NAAs: Sacramento Metro & South Coast	NAAs: Southeast Desert, San Joaquin Valley & Ventura	Outside NAAs
	6451.1				
Chemigation (Drip)		1601	\checkmark	\checkmark	\checkmark
Chemigation (mini-sprinkler)		1602	1	√	\checkmark
Chemigation (flood, basin)		1603	1	√	\checkmark
Chemigation (furrow, border)		1604	1	√	\checkmark
Chemigation (foggers, jets, misters, other)		1605	V	4	V
Other label method		1690			\checkmark