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.)

			Methods Allowed From May 1 Through October 31, by			
Methyl Bromide			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	√		√	
Tarpaulin/Shallow/Broadcast - Nobel Plow	(a)(3)	1103	√	√	√	
Tarpaulin/Shallow/Broadcast - Nobel Plow – Strip	(a)(3)	1104	1		√	
Tarpaulin/Shallow/Broadcast - Closing shoe and compaction roller [†]	(a)(3)	1105				
Tarpaulin/Shallow/Bed	(a)(4)	1106	√		√	
Tarpaulin/Deep/Broadcast	(a)(5)	1107	√	√	√	
Tarpaulin/Deep/Broadcast - Strip	(a)(5)	1108	√		√	
Drip System - Hot Gas	(a)(6)	1109	√		√	
Tarpaulin/Shallow/Broadcast – Nobel Plow–with tarp eligible for 60% credit	(a)(3)	1143	√	√	√	
Tarpaulin/Shallow/Broadcast – Nobel Plow – Strip –with tarp eligible for 60% credit	(a)(3)	1144	√		√	
Tarpaulin/Shallow/Broadcast – Closing shoes and compaction roller–with tarp eligible for 60% credit	(a)(3)	1145	1		٧	
Tarpaulin/Shallow/Bed –with tarp eligible for 60% credit	(a)(4)	1146	√		√	
Tarpaulin/Deep/Broadcast –with tarp eligible for 60% credit	(a)(5)	1147	√	√	√	
Tarpaulin/Deep/Broadcast – Strip with tarp eligible for 60% credit	(a)(5)	1148	√		√	
Drip System - Hot Gas –with tarp eligible for 60% credit	(a)(6)	1149	√		√	
Other label methods		1190			√	

 $^{{\}it Abbreviations:}\ {\it NAA: nonattainment area; 3CCR: California\ Code\ of\ Regulations,\ Title\ 3$

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				
Nontarpaulin/Deep/Broadcast	(a)(2)	1102	√		√	
Tarpaulin/Shallow/Broadcast - Nobel Plow	(a)(3)	1103	√	√	√	
Tarpaulin/Shallow/Broadcast - Nobel Plow - Strip	(a)(3)	1104	√		√	
Tarpaulin/Shallow/Broadcast - Closing shoe and compaction roller [†]	(a)(3)	1105				
Tarpaulin/Shallow/Bed	(a)(4)	1106	√		√	
Tarpaulin/Deep/Broadcast	(a)(5)	1107	V	√	√	
Tarpaulin/Deep/Broadcast - Strip	(a)(5)	1108	√		√	
Drip System - Hot Gas	(a)(6)	1109	√		√	
Tarpaulin/Shallow/Broadcast – Nobel Plow–with tarp eligible for 60% credit	(a)(3)	1143	V	1	√	
Tarpaulin/Shallow/Broadcast – Nobel Plow – Strip –with tarp eligible for 60% credit	(a)(3)	1144	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	√		√	
Tarpaulin/Deep/Broadcast –with tarp eligible for 60% credit	(a)(5)	1147	√	1	√	
Tarpaulin/Deep/Broadcast – Strip with tarp eligible for 60% credit	(a)(5)	1148	√		√	
Drip System - Hot Gas –with tarp eligible for 60% credit	(a)(6)	1149	√		√	
Other label method		1190			√	

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 1,3- DICHLOROPROPENE	6448.1				
Nontarpaulin/Shallow/Broadcast or Bed	(d)(1)	1201	√		√
Tarpaulin/Shallow/Broadcast	(d)(2)	1202	1/		√
Tarpaulin/Shallow/Bed	(d)(2)	1203	1/		√
Nontarpaulin/Shallow/Broadcast or Bed/Three water treatment	(d)(3)	1204	√	√	√
Tarpaulin/Shallow/Bed/Three Water Treatments	(d)(4)	1205	√	√	√
Nontarpaulin/Deep/Broadcast	(d)(5)	1206	√		√
Tarpaulin/Deep/Broadcast	(d)(6)	1207	√	1	√
Tarpaulin/Deep/Bed	(d)(6)	1208	√	√	√
Chemigation (Drip System)/Tarpaulin	(d)(7)	1209	√	√	√
Nontarpaulin/Deep/Strip	(d)(5)	1210	√	√	√
Nontarpaulin/Deep/GPS targeted	(d)(5)	1211	√	√	√
Tarpaulin/Shallow/Broadcast – with tarp eligible for 60% credit	(d)(2)	1242	√	√	√
Tarpaulin/Shallow/Bed with tarp eligible for 60% credit	(d)(2)	1243	√	√	√
Tarpaulin/Shallow/Bed/Three Water Treatments – with tarp eligible for 60%	(d)(4)	1245	√	√	\checkmark
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(d)(6)	1247	√	√	√
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	√	√	√
Chemigation (Drip System)/Tarpaulin - with tarp eligible for 60% credit	(d)(7)	1259	√	√	\checkmark
Other label methods		1290			1/
CHLOROPICRIN ONLY	6447.3				
Nontarpaulin/Shallow/Bed [†]	(a)(1)	1101			
Nontarpaulin/Deep/Broadcast	(a)(2)	1102	√		√
Tarpaulin/Shallow/Broadcast - Nobel Plow	(a)(3)	1103	√	√	√
Tarpaulin/Shallow/Broadcast - Nobel Plow - Strip	(a)(3)	1104	√		√
Tarpaulin/Shallow/Broadcast - Closing shoe and compaction roller [†]	(a)(3)	1105			
Tarpaulin/Shallow/Bed	(a)(4)	1106	√		√
Tarpaulin/Deep/Broadcast	(a)(5)	1107	√	√	√

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

[†] Method is no longer allowed.

Tarpaulin/Deep/Broadcast - Strip	(a)(5)	1108	√		√
Tarpaulin/Shallow/Broadcast – Nobel Plow			,	,	,
with tarp eligible for 60%	(a)(3)	1143	√	√	1
Tarpaulin/Shallow/Broadcast – Nobel Plow	(2)(2)	1144	√	1/	√
 Strip – with tarp eligible for 60% credit 	(a)(3)	1144	V	√	V
Tarpaulin/Shallow/Broadcast – Closing					
shoes and compaction roller – with tarp	(a)(3)	1145			
eligible for 60% credit [†]					
Tarpaulin/Shallow/Bed – with tarp eligible	(a)(4)	1146	√	√	√
for 60% credit					
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(a)(5)	1147	√	√	√
Taurpaulin/Deep/Broadcast – Strip – with					
tarp eligible for 60% credit	(a)(5)	1148	√	√	√
tary engine for 60% erearc	6448.1				
Nontarpaulin/Shallow/Broadcast or Bed	(d)(1)	1201	√		√
Tarpaulin/Shallow/Broadcast	(d)(1) (d)(2)	1202	√ √	√	1/
Tarpaulin/Shallow/Bed	(d)(2)	1203	√ √	γ	1/
Nontarpaulin/Shallow/Broadcast or	(u)(z)	1203	, y		
Bed/Three water treatment	(d)(3)	1204	√	√	√
Tarpaulin/Shallow/Bed/Three Water			,	/	,
Treatments	(d)(4)	1205	√	√	√
Nontarpaulin/Deep/Broadcast	(d)(5)	1206	1/		√
Tarpaulin/Deep/Broadcast	(d)(6)	1207	1/	1/	√
Tarpaulin/Deep/Bed [†]	(d)(6)	1208			
Chemigation (Drip System)/Tarpaulin	(d)(7)	1209	√	√	√
Nontarpaulin/Deep/Strip	(d)(5)	1210	√	√	√
Nontarpaulin/Deep/GPS targeted	(d)(5)	1211	√	√	√
Tarpaulin/Shallow/Broadcast – with tarp			,	,	,
eligible for 60% credit	(d)(2)	1242	√	√	1
Tarpaulin/Shallow/Bed with tarp eligible	(4)/2)	1242	./	./	-/
for 60% credit	(d)(2)	1243	√	√	√
Tarpaulin/Shallow/Bed/Three Water	(d)(4)	1245	√ v	V	V
Treatments – with tarp eligible for 60%	(u)(4)	1243	V	V	V
Tarpaulin/Deep/Broadcast – with tarp	(d)(6)	1247	√	V	√
eligible for 60% credit	(4)(5)	22.17	,	,	<u>'</u>
Tarpaulin/Deep/Bed – with tarp eligible for 60% credit [†]	(d)(6)	1248			
Tarpaulin/Deep/Broadcast-strip – with tarp	(4)(6)	1240	4/	4/	-/
eligible for 60% credit	(d)(6)	1249	1	√	√
Chemigation (Drip System)/Tarpaulin - with	(d)(7)	1259	V	√	√
tarp eligible for 60% credit	(4)(7)		,	Ψ	,
Other label method		1390			√

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	√		√	
Tarpaulin/Shallow/Broadcast	(d)(2)	1202	√		√	
Tarpaulin/Shallow/Bed	(d)(2)	1203	√		√	
Nontarpaulin/Shallow/Broadcast or Bed/Three water treatment	(d)(3)	1204	√	√	√	
Tarpaulin/Shallow/Bed/Three Water Treatments	(d)(4)	1205	√	√	√	
Nontarpaulin/Deep/Broadcast (without chloropicrin)	(d)(5)	1206	√	√	v	
Nontarpaulin/Deep/Broadcast (with chloropicrin)	(d)(5)	1206	√		v	
Tarpaulin/Deep/Broadcast	(d)(6)	1207	√	1/	1/	
Tarpaulin/Deep/Bed [†]	(d)(6)	1208				
Chemigation (Drip System)/Tarpaulin	(d)(7)	1209	√	1/	√	
Nontarpaulin/Deep/Strip	(d)(5)	1210	√	√	√	
Nontarpaulin/Deep/GPS targeted	(d)(5)	1211	√	√	1/	
Tarpaulin/Shallow/Broadcast – with tarp eligible for 60% credit	(d)(2)	1242	√	√	√	
Tarpaulin/Shallow/Bed with tarp \eligible for 60% credit	(d)(2)	1243	√	√	v	
Tarpaulin/Shallow/Bed/Three Water Treatments – with tarp eligible for 60%	(d)(4)	1245	√	√	v	
Tarpaulin/Deep/Broadcast – with tarp eligible for 60% credit	(d)(6)	1247	√	√	√	
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	√	√	√	
Chemigation (Drip System)/Tarpaulin - with tarp eligible for 60% credit	(d)(7)	1259	√	√	√	
Other label method		1290			√	

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

[†] Method is no longer allowed.

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

Methods Allowed From May 1 Through October 31, by

Geographic Area

1

1

1

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.)

NAAs: NAAs: Southeast Regulation Field Sacramento Desert, San Outside Section **Fumigation** NAAs Method name Metro & Joaquin Valley & (3CCR) **Method Code South Coast** Ventura 6450.1. Daytime applications Sprinkler/Broadcast or Bed/One Water 1 (d)(1) 1 1401 Treatment Sprinkler/Broadcast or Bed/Two Water √ 1402 √ √ (d)(2)Treatments Sprinkler/Broadcast or Bed/Three Water √ √ √ (d)(3)1403 Treatments Nontarpaulin/Shallow/Broadcast or √ √ (d)(4)1404 Bed/One Water Treatment Nontarpaulin/Shallow/Broadcast or Bed √ 1 √ (d)(5)1405 /Two Water Treatments Nontarpaulin/Shallow/Broadcast or 1 1 √ (d)(6) 1406 Bed/Three Water Treatments √ 1 (d)(7)1407 √ Chemigation (Drip System) Tarpaulin 1 1 √ Chemigation (Drip System) Nontarpaulin 1408 (d)(7)1 1 √ Rotary Tiller (d)(8)1409

1410

1411

1412

1413

1447

1452

1455

1472

1490

<u>√</u> √

√

√

1

√

(d)(8)

(d)(8)

(d)(9)

(d)(12)

(d)(7)

(d)(2)

(d)(10)

(d)(11)

Chemigation (Drip System) Tarpaulin -- with

Night 1 A.M. Start/Sprinkler/Broadcast or

Shallow/Broadcast or Bed/Two Water

Night 4 A.M. Start/Sprinkler/Broadcast or

Power Mulcher

tarp eligible for 30%

Nighttime applications

Bed/Two Water Treatments
Night 1 A.M. Start/Nontarpaulin/

Bed/Two Water Treatments

Other label method

Soil Capping

Treatments

Flood*

Drench

Metam-sodium and

metam-potassium

√

1

√

√

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	√	1/	√
Surface application - water incorporation		1502	√	√	√
Other label method		1590			√

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	√	√	√	
Chemigation (mini-sprinkler)		1602	√	√	√	
Chemigation (flood, basin)		1603	√	√	√	
Chemigation (furrow, border)		1604	√	√	√	
Chemigation (foggers, jets, misters, other)		1605	1	√	V	
Other label method		1690			1	