



Methyl Bromide Commodity and Structural Fumigation Buffer Zones

This document contains the buffer zone tables required by methyl bromide fumigant product labels that contain the following directions: “The appropriate treatment buffer zone and aeration buffer zone must be determined using the EPA’s Methyl Bromide Commodity Fumigation Buffer Zone Lookup Tables located at epa.gov/pesticide-registration/mbcommoditybuffer.”

This document is an extension of the product label and contains enforceable directions for use. Refer to the product label for directions on buffer zone management.

Instructions

Step 1: Get buffer zone table

To find the buffer zone table for your application, select a table below using your application’s application rates. If your rate is not listed, round up to the nearest application rate.

Step 2: Determine buffer zone distance

To determine the buffer zone distance for your aeration, use the buffer zone table to select your enclosure size and retention rate. If your enclosure size or retention rate are not listed, round up to the nearest enclosure size or retention rate.

NOTE: The minimum buffer zone distance is 10 feet.

Buffer Zone Tables

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Treatment Buffer Zones

Treatment Time: Longer than 8 hours



Table 1: Application Rate: 1 lb.

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	10	10	10	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	10	10	10	10	10	10	10	10	10	10
500000	10	10	10	10	10	10	10	10	10	10
750000	10	10	10	10	10	10	10	10	10	10
1000000	10	10	10	10	10	10	10	10	10	10
2500000	10	10	10	10	10	10	10	10	10	10
5000000	10	10	10	10	10	10	10	10	10	10
7500000	180	175	155	125	10	10	10	10	10	10
10000000	305	300	280	250	155	10	10	10	10	10

Round up to the nearest enclosure size and retention rate.

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 Treatment Buffer Zones
 Treatment Time: Longer than 8 hours



Table 2: Application Rate: 2 lbs.

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	10	10	10	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	10	10	10	10	10	10	10	10	10	10
500000	10	10	10	10	10	10	10	10	10	10
750000	10	10	10	10	10	10	10	10	10	10
1000000	10	10	10	10	10	10	10	10	10	10
2500000	10	10	10	10	10	10	10	10	10	10
5000000	345	340	320	290	205	10	10	10	10	10
7500000	545	540	515	485	385	180	10	10	10	10
10000000	715	710	680	645	530	305	10	10	10	10

Round up to the nearest enclosure size and retention rate.

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 Treatment Buffer Zones
 Treatment Time: Longer than 8 hours



Table 3: Application Rate: 3 lbs.

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	10	10	10	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	10	10	10	10	10	10	10	10	10	10
500000	10	10	10	10	10	10	10	10	10	10
750000	10	10	10	10	10	10	10	10	10	10
1000000	80	80	10	10	10	10	10	10	10	10
2500000	235	230	210	185	100	10	10	10	10	10
5000000	565	555	535	505	405	205	10	10	10	10
7500000	810	805	775	735	620	385	10	10	10	10
10000000	1025	1020	980	935	795	530	155	10	10	10

Round up to the nearest enclosure size and retention rate.

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Treatment Buffer Zones

Treatment Time: Longer than 8 hours



Table 4: Application Rate: 4 lbs.

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	10	10	10	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	10	10	10	10	10	10	10	10	10	10
500000	10	10	10	10	10	10	10	10	10	10
750000	90	90	65	10	10	10	10	10	10	10
1000000	185	180	165	145	80	10	10	10	10	10
2500000	370	365	345	320	235	10	10	10	10	10
5000000	745	735	710	680	565	345	10	10	10	10
7500000	1040	1030	995	950	810	545	180	10	10	10
10000000	1300	1290	1250	1190	1025	715	305	10	10	10

Round up to the nearest enclosure size and retention rate.

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 Treatment Buffer Zones
 Treatment Time: Longer than 8 hours



Table 5: Application Rate: 7.5 or 9 lbs.

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	10	10	10	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10	10	10	10
25000	20	20	15	10	10	10	10	10	10	10
50000	75	75	70	65	50	10	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	10	10	10	10	10	10	10	10	10	10
500000	240	235	220	205	140	10	10	10	10	10
750000	385	380	360	340	275	130	10	10	10	10
1000000	505	500	480	455	380	225	10	10	10	10
2500000	845	835	810	775	660	425	100	10	10	10
5000000	1440	1440	1405	1345	1160	825	405	10	10	10
7500000	1440	1440	1440	1440	1440	1145	620	125	10	10
10000000	1440	1440	1440	1440	1440	1430	795	250	10	10

Round up to the nearest enclosure size and retention rate.

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 Treatment Buffer Zones
 Treatment Time: Longer than 8 hours



Table 6: Application Rate: 15 lbs.

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	10	10	10	10	10	10	10	10	10	10
2000	15	15	15	15	10	10	10	10	10	10
5000	20	20	15	15	10	10	10	10	10	10
10000	10	10	10	10	10	10	10	10	10	10
25000	65	65	60	55	40	10	10	10	10	10
50000	125	125	120	115	95	60	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	185	180	165	150	90	10	10	10	10	10
500000	435	430	410	390	320	175	10	10	10	10
750000	620	615	590	565	480	315	55	10	10	10
1000000	775	770	745	715	615	420	160	10	10	10
2500000	1285	1275	1230	1180	1020	720	340	10	10	10
5000000	1440	1440	1440	1440	1440	1265	700	205	10	10
7500000	1440	1440	1440	1440	1440	1440	985	385	10	10
10000000	1440	1440	1440	1440	1440	1440	1235	530	155	10

Round up to the nearest enclosure size and retention rate.