



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 air exchange and application rates. If your rates are not listed, round down to the nearest air exchange rate and 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.

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Active Aeration: No Stack

Aeration Time: longer than 8 hours



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Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 1: Air Exchange Rate: 0.1 Application Rate: 0.5 or 1

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	0.5 or 1

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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 2: Air Exchange Rate: 0.2 Application Rate: 0.5 or 1

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	0.5 or 1

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	120	115	100	70	10	10	10	10	10	10
5000000	280	275	265	250	200	80	10	10	10	10
10000000	470	465	450	435	370	245	10	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 3: Air Exchange Rate: 0.5 Application Rate: 0.5 or 1

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	0.5 or 1

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	50	10	10	10	10	10	10	10	10	10
1000000	115	115	110	100	10	10	10	10	10	10
2500000	225	225	215	205	165	10	10	10	10	10
5000000	380	380	365	350	305	205	10	10	10	10
10000000	585	580	565	545	480	355	170	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 4: Air Exchange Rate: 1 Application Rate: 0.5 or 1

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	0.5 or 1

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	125	120	115	105	50	10	10	10	10	10
1000000	165	165	155	145	115	10	10	10	10	10
2500000	295	290	285	270	230	130	10	10	10	10
5000000	465	465	455	435	385	275	95	10	10	10
10000000	705	700	685	660	585	445	245	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 5: Air Exchange Rate: 2 Application Rate: 0.5 or 1

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	0.5 or 1

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	15	15	15	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	95	90	80	65	10	10	10	10	10	10
750000	155	155	150	140	105	10	10	10	10	10
1000000	200	200	190	180	150	75	10	10	10	10
2500000	350	345	335	325	275	185	10	10	10	10
5000000	535	535	520	505	445	330	155	10	10	10
10000000	805	800	780	755	675	515	300	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 6: Air Exchange Rate: 0.1 Application Rate: 1.5 or 2

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	1.5 or 2

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	95	95	80	55	10	10	10	10	10	10
2500000	220	215	200	185	130	10	10	10	10	10
5000000	450	445	430	405	335	195	10	10	10	10
10000000	795	790	765	730	625	420	155	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 7: Air Exchange Rate: 0.2 Application Rate: 1.5 or 2

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	1.5 or 2

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	115	115	105	95	10	10	10	10	10	10
1000000	165	160	155	145	110	10	10	10	10	10
2500000	300	295	285	270	225	120	10	10	10	10
5000000	495	490	475	460	400	280	80	10	10	10
10000000	785	780	755	725	640	470	245	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 8: Air Exchange Rate: 0.5 Application Rate: 1.5 or 2

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	1.5 or 2

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	30	30	25	25	15	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	130	125	120	110	70	10	10	10	10	10
750000	190	185	180	170	140	50	10	10	10	10
1000000	235	230	225	215	185	115	10	10	10	10
2500000	400	395	385	370	320	225	10	10	10	10
5000000	610	605	590	570	505	380	205	10	10	10
10000000	915	910	890	855	765	585	355	105	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 9: Air Exchange Rate: 1 Application Rate: 1.5 or 2

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	1.5 or 2

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	15	10	10	10	10	10	10	10	10	10
50000	45	45	40	40	30	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	175	175	165	160	130	10	10	10	10	10
750000	240	235	230	220	190	125	10	10	10	10
1000000	290	290	280	270	235	165	10	10	10	10
2500000	485	480	470	455	400	295	130	10	10	10
5000000	725	720	705	685	610	465	275	10	10	10
10000000	1075	1070	1045	1015	910	705	445	185	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 10: Air Exchange Rate: 2 Application Rate: 1.5 or 2

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	1.5 or 2

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	25	25	20	20	10	10	10	10	10	10
50000	55	55	50	50	40	15	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	105	100	90	80	10	10	10	10	10	10
500000	210	210	200	195	165	95	10	10	10	10
750000	280	275	270	260	225	155	10	10	10	10
1000000	335	335	325	310	275	200	75	10	10	10
2500000	550	550	535	515	460	350	185	10	10	10
5000000	825	820	800	775	695	535	330	80	10	10
10000000	1210	1200	1175	1140	1020	805	515	240	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 11: Air Exchange Rate: 0.1 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	3

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	130	125	115	105	10	10	10	10	10	10
1000000	195	190	180	165	125	10	10	10	10	10
2500000	355	350	340	320	255	130	10	10	10	10
5000000	655	650	625	590	505	335	90	10	10	10
10000000	1100	1090	1055	1010	875	625	300	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 12: Air Exchange Rate: 0.2 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	3

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	30	30	30	25	15	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	125	120	115	105	10	10	10	10	10	10
750000	190	190	180	170	140	10	10	10	10	10
1000000	240	240	230	220	185	110	10	10	10	10
2500000	415	410	400	385	330	225	10	10	10	10
5000000	670	665	645	615	540	400	200	10	10	10
10000000	1025	1020	990	955	845	640	370	95	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 13: Air Exchange Rate: 0.5 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	3

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	20	15	10	10	10	10	10	10
50000	50	50	45	45	35	15	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	85	80	70	10	10	10	10	10	10	10
500000	190	190	185	175	145	70	10	10	10	10
750000	260	260	250	240	205	140	10	10	10	10
1000000	315	315	305	290	255	185	10	10	10	10
2500000	525	520	505	490	435	320	165	10	10	10
5000000	790	785	765	740	665	505	305	10	10	10
10000000	1175	1165	1140	1100	985	765	480	215	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 14: Air Exchange Rate: 1 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	3

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	35	35	30	30	20	10	10	10	10	10
50000	65	65	60	60	50	30	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	135	135	130	120	85	10	10	10	10	10
500000	245	240	235	225	195	130	10	10	10	10
750000	320	320	310	295	260	190	50	10	10	10
1000000	380	380	370	355	315	235	115	10	10	10
2500000	625	620	605	585	520	400	230	10	10	10
5000000	930	925	900	870	785	610	385	150	10	10
10000000	1375	1365	1330	1290	1155	910	585	295	100	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 15: Air Exchange Rate: 2 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	3

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	45	45	40	40	30	10	10	10	10	10
50000	75	75	70	70	60	40	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	170	170	160	150	125	10	10	10	10	10
500000	285	280	270	260	230	165	10	10	10	10
750000	365	360	355	340	300	225	105	10	10	10
1000000	430	430	415	405	360	275	150	10	10	10
2500000	705	705	690	670	590	460	275	10	10	10
5000000	1045	1035	1015	980	885	695	445	200	10	10
10000000	1440	1440	1440	1440	1300	1020	675	355	160	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 16: Air Exchange Rate: 0.1 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	4

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	35	30	30	25	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	110	105	95	80	10	10	10	10	10	10
750000	200	195	185	170	130	10	10	10	10	10
1000000	265	265	255	240	195	95	10	10	10	10
2500000	470	465	450	425	355	220	10	10	10	10
5000000	825	815	790	760	655	450	195	10	10	10
10000000	1365	1355	1315	1265	1100	795	420	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 17: Air Exchange Rate: 0.2 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	4

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	15	15	10	10	10	10	10	10	10	10
50000	45	45	45	40	30	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	175	170	165	155	125	10	10	10	10	10
750000	245	245	235	225	190	115	10	10	10	10
1000000	305	300	290	280	240	165	10	10	10	10
2500000	510	510	495	475	415	300	120	10	10	10
5000000	810	805	785	755	670	495	280	10	10	10
10000000	1240	1230	1195	1160	1025	785	470	185	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 18: Air Exchange Rate: 0.5 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	4

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	35	35	35	30	20	10	10	10	10	10
50000	65	65	60	60	50	30	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	135	135	130	120	85	10	10	10	10	10
500000	240	240	235	225	190	130	10	10	10	10
750000	320	320	310	295	260	190	50	10	10	10
1000000	380	380	370	355	315	235	115	10	10	10
2500000	630	625	610	585	525	400	225	10	10	10
5000000	940	935	910	885	790	610	380	150	10	10
10000000	1390	1380	1350	1305	1175	915	585	290	105	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 19: Air Exchange Rate: 1 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	4

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	45	45	45	45	35	15	10	10	10	10
50000	80	80	75	75	65	45	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	180	180	175	165	135	10	10	10	10	10
500000	300	295	290	280	245	175	10	10	10	10
750000	385	380	370	360	320	240	125	10	10	10
1000000	455	450	440	425	380	290	165	10	10	10
2500000	740	735	715	695	625	485	295	10	10	10
5000000	1100	1090	1065	1035	930	725	465	220	10	10
10000000	1440	1440	1440	1440	1375	1075	705	375	185	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 20: Air Exchange Rate: 2 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	4

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	15	15	15	15	10	10	10	10	10	10
10000	20	20	15	10	10	10	10	10	10	10
25000	60	55	55	50	45	25	10	10	10	10
50000	95	90	90	85	75	55	15	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	215	215	205	200	170	105	10	10	10	10
500000	345	340	335	320	285	210	95	10	10	10
750000	435	435	420	410	365	280	155	10	10	10
1000000	515	510	500	480	430	335	200	10	10	10
2500000	835	830	815	790	705	550	350	125	10	10
5000000	1235	1225	1195	1160	1045	825	535	270	80	10
10000000	1440	1440	1440	1440	1440	1210	805	440	240	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 21: Air Exchange Rate: 0.1 Application Rate: 9

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	9

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	45	45	40	40	25	10	10	10	10	10
50000	90	90	85	80	70	40	10	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	145	140	130	120	70	10	10	10	10	10
500000	310	305	295	280	230	135	10	10	10	10
750000	445	440	420	405	340	230	10	10	10	10
1000000	555	550	535	510	435	300	125	10	10	10
2500000	920	915	890	850	740	520	255	10	10	10
5000000	1440	1440	1440	1410	1230	905	505	160	10	10
10000000	1440	1440	1440	1440	1440	1440	875	375	115	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 22: Air Exchange Rate: 0.2 Application Rate: 9

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	9

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	15	15	15	15	10	10	10	10	10	10
10000	15	10	10	10	10	10	10	10	10	10
25000	55	55	55	50	40	20	10	10	10	10
50000	95	95	90	85	75	50	15	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	200	200	190	185	150	65	10	10	10	10
500000	340	340	330	315	275	195	10	10	10	10
750000	450	445	435	415	365	270	140	10	10	10
1000000	540	535	520	505	445	335	185	10	10	10
2500000	890	880	855	825	735	555	330	70	10	10
5000000	1365	1355	1320	1275	1135	870	540	250	10	10
10000000	1440	1440	1440	1440	1440	1340	845	435	220	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 23: Air Exchange Rate: 0.5 Application Rate: 9

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	9

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	10	10	10	10	10	10	10
5000	25	25	25	20	15	10	10	10	10	10
10000	35	35	30	30	20	10	10	10	10	10
25000	75	75	70	70	60	40	10	10	10	10
50000	115	115	115	110	95	70	35	10	10	10
100000	125	125	115	105	10	10	10	10	10	10
250000	270	270	260	250	220	155	10	10	10	10
500000	420	415	405	395	350	265	145	10	10	10
750000	530	525	515	500	445	345	205	10	10	10
1000000	630	625	605	585	525	410	255	100	10	10
2500000	1020	1015	990	955	865	680	435	205	10	10
5000000	1440	1440	1440	1420	1280	1010	665	350	180	10
10000000	1440	1440	1440	1440	1440	1440	985	545	325	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 24: Air Exchange Rate: 1 Application Rate: 9

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	9

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	15	10	10	10	10	10
5000	30	30	30	30	25	15	10	10	10	10
10000	45	45	45	40	35	15	10	10	10	10
25000	90	90	85	85	75	55	20	10	10	10
50000	140	140	135	130	115	85	50	10	10	10
100000	170	170	160	155	125	10	10	10	10	10
250000	330	330	320	305	270	200	85	10	10	10
500000	495	490	480	465	415	325	195	10	10	10
750000	625	620	600	585	525	410	260	105	10	10
1000000	730	725	710	690	620	485	315	145	10	10
2500000	1190	1180	1155	1120	1010	795	520	270	100	10
5000000	1440	1440	1440	1440	1440	1175	785	435	250	10
10000000	1440	1440	1440	1440	1440	1440	1155	660	410	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 25: Air Exchange Rate: 2 Application Rate: 9

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	9

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	20	20	20	20	15	10	10	10	10	10
5000	40	40	35	35	30	20	10	10	10	10
10000	55	55	55	50	45	25	10	10	10	10
25000	105	105	100	95	85	65	30	10	10	10
50000	160	160	155	150	135	100	60	10	10	10
100000	205	200	195	185	160	90	10	10	10	10
250000	375	370	360	350	315	235	125	10	10	10
500000	560	555	540	525	470	370	230	65	10	10
750000	700	700	685	665	595	470	300	140	10	10
1000000	820	815	800	775	700	550	360	180	10	10
2500000	1335	1325	1295	1260	1130	900	590	325	155	10
5000000	1440	1440	1440	1440	1440	1320	885	505	305	10
10000000	1440	1440	1440	1440	1440	1440	1300	755	480	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 26: Air Exchange Rate: 0.1 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	15

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	15	10	10	10	10	10
5000	25	25	25	20	15	10	10	10	10	10
10000	25	25	20	20	10	10	10	10	10	10
25000	80	80	75	70	60	35	10	10	10	10
50000	140	140	135	130	110	75	30	10	10	10
100000	10	10	10	10	10	10	10	10	10	10
250000	265	265	250	240	195	100	10	10	10	10
500000	490	485	470	450	380	260	95	10	10	10
750000	670	665	645	615	530	375	180	10	10	10
1000000	815	810	785	755	665	480	250	10	10	10
2500000	1350	1340	1300	1250	1090	805	440	130	10	10
5000000	1440	1440	1440	1440	1440	1330	785	335	90	10
10000000	1440	1440	1440	1440	1440	1440	1300	625	300	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 27: Air Exchange Rate: 0.2 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	15

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	15	10	10	10	10	10
5000	30	30	25	25	20	15	10	10	10	10
10000	40	40	40	35	25	10	10	10	10	10
25000	85	85	80	80	70	45	10	10	10	10
50000	140	135	135	130	110	80	45	10	10	10
100000	135	135	125	115	75	10	10	10	10	10
250000	305	300	290	280	245	170	10	10	10	10
500000	485	480	470	455	400	295	165	10	10	10
750000	630	625	610	585	520	395	235	10	10	10
1000000	750	745	725	705	630	475	290	110	10	10
2500000	1230	1220	1190	1150	1025	790	490	225	10	10
5000000	1440	1440	1440	1440	1440	1215	775	400	200	10
10000000	1440	1440	1440	1440	1440	1440	1185	640	370	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 28: Air Exchange Rate: 0.5 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	15	15	10	10	10	10	10	10	10	10
2000	20	20	20	20	15	10	10	10	10	10
5000	40	40	40	35	30	20	10	10	10	10
10000	55	55	55	50	45	25	10	10	10	10
25000	105	105	105	100	85	65	30	10	10	10
50000	160	160	155	150	135	105	60	15	10	10
100000	205	200	195	185	160	90	10	10	10	10
250000	380	380	370	355	315	235	125	10	10	10
500000	570	565	555	535	480	375	230	70	10	10
750000	715	710	695	680	605	475	305	140	10	10
1000000	840	835	815	795	710	560	365	185	10	10
2500000	1370	1360	1325	1290	1160	920	600	320	165	10
5000000	1440	1440	1440	1440	1440	1360	905	505	305	10
10000000	1440	1440	1440	1440	1440	1440	1335	765	480	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 29: Air Exchange Rate: 1 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	15	15	15	15	15	10	10	10	10	10
2000	25	25	25	25	20	15	10	10	10	10
5000	50	45	45	45	40	25	10	10	10	10
10000	70	70	70	65	55	40	10	10	10	10
25000	130	125	125	120	105	80	45	10	10	10
50000	190	190	185	180	160	125	75	30	10	10
100000	255	250	245	235	205	140	10	10	10	10
250000	450	445	435	420	380	290	170	10	10	10
500000	670	665	650	630	565	445	285	130	10	10
750000	830	830	810	790	705	560	370	190	50	10
1000000	975	970	950	920	830	660	435	235	115	10
2500000	1440	1440	1440	1440	1355	1070	710	400	230	10
5000000	1440	1440	1440	1440	1440	1440	1060	610	385	10
10000000	1440	1440	1440	1440	1440	1440	1440	910	585	100

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: No Stack

Aeration Time: longer than 8 hours



Table 30: Air Exchange Rate: 2 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	No Stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	20	20	20	15	15	10	10	10	10	10
2000	30	30	30	30	25	15	10	10	10	10
5000	55	55	55	50	45	30	15	10	10	10
10000	80	80	80	75	65	45	15	10	10	10
25000	145	145	140	135	120	90	55	10	10	10
50000	215	215	205	200	180	140	90	40	10	10
100000	290	290	280	270	240	175	10	10	10	10
250000	510	505	495	475	430	335	205	10	10	10
500000	750	745	725	705	640	505	330	165	10	10
750000	935	930	910	880	795	635	420	225	105	10
1000000	1095	1085	1065	1035	930	740	495	275	150	10
2500000	1440	1440	1440	1440	1440	1200	810	460	275	10
5000000	1440	1440	1440	1440	1440	1440	1185	695	445	10
10000000	1440	1440	1440	1440	1440	1440	1440	1020	675	160

Round up to the nearest enclosure size and retention rate.