



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: Horizontal Stack

Aeration Time: 8 hours or less



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Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	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	20	20	15	15	15	10	10	10	10	10
50000	30	30	25	25	20	10	10	10	10	10
100000	45	45	45	40	35	20	10	10	10	10
250000	80	80	75	75	65	45	20	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	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	20	20	20	20	15	10	10	10	10	10
50000	35	35	35	30	25	10	10	10	10	10
100000	55	55	55	50	45	30	10	10	10	10
250000	100	100	95	90	80	55	30	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	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	20	20	20	15	10	10	10	10	10	10
50000	40	40	40	35	30	15	10	10	10	10
100000	65	60	60	60	50	35	10	10	10	10
250000	115	110	105	100	85	65	35	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	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	20	20	15	15	10	10	10	10	10	10
50000	40	40	35	35	30	15	10	10	10	10
100000	60	60	60	55	45	35	15	10	10	10
250000	105	105	100	95	80	60	30	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	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	15	15	15	10	10	10	10	10	10	10
50000	35	35	30	30	25	15	10	10	10	10
100000	55	50	50	50	40	25	10	10	10	10
250000	90	90	85	80	65	45	15	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 6: Air Exchange Rate: 10 Application Rate: 1

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	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	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 7: Air Exchange Rate: 0.1 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	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	20	20	20	20	15	10	10	10	10	10
25000	35	35	35	30	25	20	10	10	10	10
50000	55	55	50	50	40	30	10	10	10	10
100000	80	80	80	75	65	45	20	10	10	10
250000	150	145	145	135	115	80	45	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 8: Air Exchange Rate: 0.2 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	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	15	15	15	15	15	10	10	10	10	10
10000	25	25	25	20	20	10	10	10	10	10
25000	45	45	40	40	35	20	10	10	10	10
50000	65	65	65	60	50	35	10	10	10	10
100000	105	105	100	95	80	55	30	10	10	10
250000	190	190	180	175	145	100	55	20	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 9: Air Exchange Rate: 0.5 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	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	15	15	15	15	10	10	10	10	10	10
10000	25	25	25	20	15	10	10	10	10	10
25000	50	45	45	45	35	20	10	10	10	10
50000	75	75	70	70	60	40	15	10	10	10
100000	115	115	110	105	90	65	35	10	10	10
250000	215	210	205	195	165	115	65	30	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 10: Air Exchange Rate: 1 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	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	20	20	20	15	10	10	10	10	10	10
25000	45	45	45	40	35	20	10	10	10	10
50000	70	70	70	65	55	40	15	10	10	10
100000	115	115	110	105	85	60	35	10	10	10
250000	205	205	195	185	155	105	60	25	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 11: Air Exchange Rate: 2 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	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	15	15	10	10	10	10	10	10	10	10
25000	40	40	40	35	30	15	10	10	10	10
50000	65	65	60	60	50	35	15	10	10	10
100000	100	100	95	90	75	55	25	10	10	10
250000	185	185	175	165	140	90	45	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 12: Air Exchange Rate: 10 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	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	25	20	15	10	10	10	10	10
50000	30	30	30	25	20	10	10	10	10	10
100000	30	30	25	20	15	10	10	10	10	10
250000	10	10	10	10	10	10	10	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 13: Air Exchange Rate: 0.1 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	15	15	15	15	15	10	10	10	10	10
10000	25	25	25	25	20	15	10	10	10	10
25000	50	50	45	45	40	25	15	10	10	10
50000	75	75	70	70	60	40	20	10	10	10
100000	120	115	115	110	90	65	35	10	10	10
250000	215	210	205	195	165	115	65	25	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 14: Air Exchange Rate: 0.2 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	25	25	20	20	20	15	10	10	10	10
10000	35	35	35	35	25	20	10	10	10	10
25000	60	60	60	55	50	35	15	10	10	10
50000	95	95	90	85	75	50	25	10	10	10
100000	150	150	145	140	115	80	45	10	10	10
250000	275	270	260	250	210	145	80	35	15	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 15: Air Exchange Rate: 0.5 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	15	15	15	15	10	10	10	10	10	10
5000	25	25	25	25	20	10	10	10	10	10
10000	40	40	40	35	30	15	10	10	10	10
25000	70	70	65	65	55	35	10	10	10	10
50000	110	110	105	100	85	60	30	10	10	10
100000	175	170	165	155	135	90	50	15	10	10
250000	315	315	300	285	240	165	85	40	20	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 16: Air Exchange Rate: 1 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	20	20	20	15	10	10	10	10	10	10
10000	35	35	35	35	25	10	10	10	10	10
25000	65	65	65	60	50	35	10	10	10	10
50000	105	105	100	95	80	55	30	10	10	10
100000	165	165	160	150	130	85	45	20	10	10
250000	300	295	285	270	230	155	80	40	20	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 17: Air Exchange Rate: 2 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	30	30	30	25	20	10	10	10	10	10
25000	60	60	60	55	45	30	10	10	10	10
50000	95	95	90	85	70	50	25	10	10	10
100000	155	150	145	140	115	75	40	15	10	10
250000	270	270	260	250	205	140	65	20	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 18: Air Exchange Rate: 10 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	10
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	20	20	15	15	10	10	10	10	10	10
25000	40	40	35	35	30	15	10	10	10	10
50000	50	50	45	45	35	20	10	10	10	10
100000	60	60	55	50	40	15	10	10	10	10
250000	60	55	50	40	10	10	10	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 19: Air Exchange Rate: 0.1 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	20	20	20	20	15	10	10	10	10	10
10000	35	35	35	30	25	20	10	10	10	10
25000	60	60	60	55	50	35	20	10	10	10
50000	95	95	90	90	75	55	30	10	10	10
100000	150	150	145	140	120	80	45	10	10	10
250000	270	270	260	250	215	150	80	35	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 20: Air Exchange Rate: 0.2 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	15	15	15	15	10	10	10	10	10	10
5000	30	30	25	25	25	15	10	10	10	10
10000	45	45	45	40	35	25	10	10	10	10
25000	80	80	75	70	60	45	20	10	10	10
50000	125	125	120	115	95	65	35	10	10	10
100000	195	195	185	175	150	105	55	20	10	10
250000	350	350	335	325	275	190	100	45	20	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 21: Air Exchange Rate: 0.5 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	20	20	20	15	15	10	10	10	10	10
5000	35	35	30	30	25	15	10	10	10	10
10000	50	50	50	45	40	25	10	10	10	10
25000	90	90	85	85	70	50	20	10	10	10
50000	145	145	140	130	110	75	40	10	10	10
100000	225	225	215	205	175	115	65	25	10	10
250000	415	410	395	375	315	215	115	50	30	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 22: Air Exchange Rate: 1 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	15	15	15	15	10	10	10	10	10	10
5000	30	30	30	25	20	10	10	10	10	10
10000	50	50	45	45	35	20	10	10	10	10
25000	85	85	85	80	65	45	20	10	10	10
50000	140	135	130	125	105	70	40	10	10	10
100000	215	215	205	195	165	115	60	25	10	10
250000	395	390	375	355	300	205	105	50	25	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 23: Air Exchange Rate: 2 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	25	25	25	20	10	10	10	10	10	10
10000	45	45	40	40	30	15	10	10	10	10
25000	80	80	75	70	60	40	15	10	10	10
50000	130	130	120	115	95	65	35	10	10	10
100000	200	200	190	180	155	100	55	20	10	10
250000	360	360	345	325	270	185	90	35	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 24: Air Exchange Rate: 10 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	10
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	25	25	25	25	20	10	10	10	10	10
25000	50	50	45	45	40	25	10	10	10	10
50000	70	70	70	65	50	30	10	10	10	10
100000	95	95	90	80	60	30	10	10	10	10
250000	130	130	110	95	60	10	10	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 25: Air Exchange Rate: 0.1 Application Rates: 5, 7.5, or 9

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.1
Application Rate (lbs/1000 ft ³):	5, 7.5, or 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	15	15	15	10	10	10	10	10
5000	40	40	40	40	30	25	15	10	10	10
10000	65	65	60	60	50	40	20	10	10	10
25000	115	115	110	110	95	70	40	15	10	10
50000	180	180	175	170	145	105	60	25	10	10
100000	280	280	270	260	225	165	90	40	15	10
250000	490	485	475	460	405	295	165	75	40	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 26: Air Exchange Rate: 0.2 Application Rates: 5, 7.5, or 9

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.2
Application Rate (lbs/1000 ft ³):	5, 7.5, or 9

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	15	15	15	15	10	10	10	10	10	10
2000	30	30	25	25	20	15	10	10	10	10
5000	55	55	50	50	45	30	20	10	10	10
10000	85	85	80	80	70	50	25	10	10	10
25000	155	150	150	140	125	85	50	20	10	10
50000	235	235	230	220	190	140	75	30	10	10
100000	365	360	350	340	295	215	115	50	25	10
250000	640	640	620	590	520	385	210	90	50	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 27: Air Exchange Rate: 0.5 Application Rate: 5, 7.5, or 9

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	0.5
Application Rate (lbs/1000 ft ³):	5, 7.5, or 9

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	20	20	20	20	15	15	10	10	10	10
2000	40	40	35	35	30	20	10	10	10	10
5000	65	65	65	60	55	40	20	10	10	10
10000	105	100	100	95	80	55	30	10	10	10
25000	185	185	180	170	145	100	55	15	10	10
50000	285	285	275	265	230	160	85	35	10	10
100000	440	435	420	405	355	250	135	60	30	10
250000	770	765	740	710	625	455	240	100	60	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 28: Air Exchange Rate: 1 Application Rate: 5, 7.5, or 9

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	5, 7.5, or 9

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	20	15	10	10	10	10
2000	40	40	35	35	30	20	10	10	10	10
5000	65	65	65	60	50	35	10	10	10	10
10000	100	100	95	95	80	55	25	10	10	10
25000	185	185	175	170	145	95	50	15	10	10
50000	285	285	275	260	220	155	80	35	10	10
100000	440	440	425	405	350	240	130	55	30	10
250000	785	775	750	720	625	440	230	95	55	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 29: Air Exchange Rate: 2 Application Rate: 5, 7.5, or 9

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	2
Application Rate (lbs/1000 ft ³):	5, 7.5, or 9

Buffer Zone Distances (in feet)

Size	Retention Rate (%)									
	100	99	95	90	75	50	25	10	5	1
1000	20	20	20	20	15	10	10	10	10	10
2000	35	35	30	30	25	10	10	10	10	10
5000	60	60	60	55	45	30	10	10	10	10
10000	95	95	90	85	70	50	20	10	10	10
25000	170	170	165	155	135	90	45	10	10	10
50000	260	260	250	240	205	145	70	30	10	10
100000	405	400	385	370	320	225	115	50	25	10
250000	705	700	685	655	560	400	205	80	40	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 30: Air Exchange Rate: 10 Application Rate: 5, 7.5, or 9

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	5, 7.5, or 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	40	40	35	35	25	10	10	10	10	10
10000	60	60	60	55	45	30	10	10	10	10
25000	110	110	105	100	80	55	30	10	10	10
50000	175	175	165	155	130	80	35	10	10	10
100000	270	270	255	240	200	115	40	10	10	10
250000	475	470	450	420	340	170	10	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 31: Air Exchange Rate: 0.1 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	30	30	25	25	20	15	10	10	10	10
5000	60	60	55	55	45	35	20	10	10	10
10000	95	95	90	85	75	55	35	15	10	10
25000	170	170	165	160	140	100	60	25	15	10
50000	260	260	250	240	215	160	90	40	20	10
100000	395	395	385	370	330	245	145	65	35	10
250000	690	685	665	645	570	435	255	115	65	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 32: Air Exchange Rate: 0.2 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	25	25	20	20	20	10	10	10	10	10
2000	45	45	40	40	35	25	15	10	10	10
5000	80	80	75	75	65	45	25	15	10	10
10000	125	125	120	115	100	75	45	20	10	10
25000	220	220	215	205	180	135	75	35	15	10
50000	340	340	330	315	280	205	115	50	25	10
100000	515	515	500	480	425	320	185	80	45	10
250000	900	890	865	835	745	560	335	145	80	15
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 33: Air Exchange Rate: 0.5 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	35	35	35	30	25	20	10	10	10	10
2000	55	55	50	50	45	30	20	10	10	10
5000	100	100	95	90	80	60	30	10	10	10
10000	155	150	150	145	125	90	50	15	10	10
25000	270	270	260	250	220	160	85	35	10	10
50000	410	410	400	385	340	250	135	60	30	10
100000	625	620	605	580	515	385	210	90	50	10
250000	1085	1080	1050	1015	900	680	390	165	85	20
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 34: Air Exchange Rate: 1 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	35	35	35	35	30	20	10	10	10	10
2000	55	55	55	50	45	30	15	10	10	10
5000	100	100	95	90	80	55	30	10	10	10
10000	155	155	150	145	125	85	45	10	10	10
25000	275	275	265	255	220	155	80	35	10	10
50000	420	420	405	390	340	245	130	55	30	10
100000	650	645	625	600	525	380	205	85	45	10
250000	1130	1125	1090	1050	920	680	370	155	80	20
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Horizontal Stack
 Aeration Time: 8 hours or less



Table 35: Air Exchange Rate: 2 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Horizontal 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	35	35	35	30	25	15	10	10	10	10
2000	55	50	50	50	40	25	10	10	10	10
5000	95	95	90	85	75	50	20	10	10	10
10000	145	145	140	135	115	80	40	10	10	10
25000	260	255	245	235	205	145	75	30	10	10
50000	395	390	380	360	315	225	120	50	25	10
100000	595	590	575	550	480	345	190	75	40	10
250000	1035	1025	995	955	830	615	340	140	65	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Horizontal Stack

Aeration Time: 8 hours or less



Table 36: Air Exchange Rate: 10 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Horizontal stack
Air Exchange Rate (/hr):	10
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	35	35	30	30	20	10	10	10	10	10
5000	65	65	60	60	50	30	10	10	10	10
10000	105	100	95	90	75	50	25	10	10	10
25000	190	185	180	170	140	90	45	15	10	10
50000	295	290	280	265	220	145	65	20	10	10
100000	460	455	435	415	345	220	85	15	10	10
250000	810	805	775	735	610	385	110	10	10	10
500000	Applications are prohibited for this enclosure size.									

Round up to the nearest enclosure size and retention rate.