



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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



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Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	1

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	16	16	16	16	16	10	10
10000	33	33	33	33	33	16	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	2

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	49	33	33	33	33	16	10
10000	66	49	49	49	49	33	16
25000	33	33	16	10	10	10	10
50000	82	66	66	49	10	10	10
100000	164	164	148	115	33	10	10
250000	344	328	312	295	180	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 3: Air Exchange Rate: 5 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	3

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	16	16	16	16	10	10	10
5000	49	49	49	49	49	33	16
10000	82	82	82	82	66	49	33
25000	98	98	82	82	49	10	10
50000	180	180	164	148	98	10	10
100000	295	295	279	262	213	33	10
250000	525	525	492	476	394	180	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 4: Air Exchange Rate: 5 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	4

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	33	33	33	33	16	10	10
5000	66	66	66	66	49	49	16
10000	115	115	98	98	82	66	33
25000	148	148	131	131	98	33	10
50000	246	246	230	230	180	82	10
100000	377	377	361	344	295	164	10
250000	754	738	689	623	525	344	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 5: Air Exchange Rate: 5 Application Rate: 5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	49	49	33	33	33	16	10
5000	82	82	82	82	66	49	33
10000	131	131	131	115	98	66	33
25000	197	180	180	164	131	66	10
50000	295	295	295	279	230	131	10
100000	492	492	459	426	361	246	10
250000	1017	1000	951	886	672	443	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 6: Air Exchange Rate: 5 Application Rate: 7.5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	7.5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	16	16	16	16	10	10	10
2000	66	66	66	49	49	33	10
5000	131	131	131	115	98	66	33
10000	180	180	180	164	148	98	49
25000	262	262	246	246	213	131	16
50000	492	492	459	443	328	230	66
100000	820	804	771	738	590	361	131
250000	1542	1525	1460	1361	1148	672	312

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 7: Air Exchange Rate: 5 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	82	82	82	66	49	16	10
2000	148	131	131	131	98	66	33
5000	246	230	230	213	180	131	66
10000	361	344	328	312	262	180	98
25000	607	607	574	558	459	262	131
50000	1017	1000	968	918	754	492	230
100000	1574	1558	1525	1443	1246	820	361
250000	2854	2821	2722	2591	2247	1542	672

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 8: Air Exchange Rate: 10 Application Rate: 1

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	1

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	16	16	16	16	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 9: Air Exchange Rate: 10 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	2

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	16	16	16	16	10	10	10
5000	33	33	33	33	33	16	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



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

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	3

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	33	33	33	33	16	10	10
5000	49	49	49	49	33	33	10
10000	33	33	33	33	16	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 11: Air Exchange Rate: 10 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	4

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	33	33	33	33	33	16	10
5000	66	49	49	49	49	33	16
10000	49	49	49	49	33	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 12: Air Exchange Rate: 10 Application Rate: 5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	16	16	16	10	10	10	10
2000	49	49	33	33	33	16	10
5000	66	66	66	66	49	33	16
10000	82	82	66	66	49	33	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 13: Air Exchange Rate: 10 Application Rate: 7.5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	7.5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	33	33	33	33	16	10	10
2000	66	66	49	49	49	33	16
5000	98	98	98	98	82	49	33
10000	131	131	131	115	98	49	10
25000	10	10	10	10	10	10	10
50000	246	246	213	148	10	10	10
100000	410	410	377	328	10	10	10
250000	722	722	689	623	361	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 14: Air Exchange Rate: 10 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	66	66	66	49	49	33	10
2000	115	115	115	98	82	66	33
5000	180	180	180	164	148	98	49
10000	246	246	230	213	197	131	49
25000	361	361	344	328	262	10	10
50000	705	689	656	590	426	246	10
100000	1181	1164	1099	1033	754	410	10
250000	2214	2181	2099	1952	1509	722	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 15: Air Exchange Rate: 20 Application Rate: 1

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	1

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 16: Air Exchange Rate: 20 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	2

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	16	16	16	16	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 17: Air Exchange Rate: 20 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	3

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	16	16	16	16	16	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 18: Air Exchange Rate: 20 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	4

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	16	16	16	16	10	10	10
2000	33	33	33	33	16	16	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 19: Air Exchange Rate: 20 Application Rate: 5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	16	16	16	16	16	10	10
2000	33	33	33	33	33	16	10
5000	33	16	16	16	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 20: Air Exchange Rate: 20 Application Rate: 7.5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	7.5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	33	33	33	33	33	16	10
2000	49	49	49	49	33	33	16
5000	49	49	49	49	33	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 21: Air Exchange Rate: 20 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	66	66	49	49	49	33	16
2000	98	98	82	82	66	49	33
5000	131	131	131	115	98	49	10
10000	131	131	98	66	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 22: Air Exchange Rate: 50 Application Rate: 1

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	1

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 23: Air Exchange Rate: 50 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	2

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 24: Air Exchange Rate: 50 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	3

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 25: Air Exchange Rate: 50 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	4

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 26: Air Exchange Rate: 50 Application Rate: 5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	16	16	16	16	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 27: Air Exchange Rate: 50 Application Rate: 7.5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	7.5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	33	33	33	16	16	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 28: Air Exchange Rate: 50 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	49	49	49	49	33	33	10
2000	33	33	33	33	16	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 29: Air Exchange Rate: 70 Application Rate: 1

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	1

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 30: Air Exchange Rate: 70 Application Rate: 2

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	2

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 31: Air Exchange Rate: 70 Application Rate: 3

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	3

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 32: Air Exchange Rate: 70 Application Rate: 4

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	4

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet

Aeration Time: 8 hours or less



Table 33: Air Exchange Rate: 70 Application Rate: 5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	10	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet
 Aeration Time: 8 hours or less



Table 34: Air Exchange Rate: 70 Application Rate: 7.5

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	7.5

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	16	10	10	10	10	10	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	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: Open Area Vertical Stack - 5 Feet
 Aeration Time: 8 hours or less



Table 35: Air Exchange Rate: 70 Application Rate: 15

Aeration time:	8 hours or less
Aeration method:	Open Area Vertical Stack - 5 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	15

Buffer Zone Distances (in feet)

Size (ft ³)	Retention Rate (%)						
	100	99	95	90	75	50	25
1000	33	33	33	33	33	16	10
2000	10	10	10	10	10	10	10
5000	10	10	10	10	10	10	10
10000	10	10	10	10	10	10	10
25000	10	10	10	10	10	10	10
50000	10	10	10	10	10	10	10
100000	10	10	10	10	10	10	10
250000	10	10	10	10	10	10	10

Round up to the nearest enclosure size and retention rate.