



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 – 10 feet

Aeration Time: Longer than 8 hours



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Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	344.4	328	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	16	16	16	10	10	10	10
2000	33	33	33	16	16	10	10
5000	33	33	33	33	16	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	180	164	10	10	10	10	10
250000	492	492	459	426	230	10	10
500000	771	754	722	672	525	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	16	16	16	16	16	10	10
2000	33	33	33	33	33	10	10
5000	49	49	49	49	33	10	10
10000	66	66	49	49	10	10	10
25000	10	10	10	10	10	10	10
50000	164	148	10	10	10	10	10
100000	361	361	344	312	180	10	10
250000	689	689	656	623	492	10	10
500000	1033	1017	968	935	771	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	33	33	33	16	16	10	10
2000	49	49	33	33	33	16	10
5000	66	66	66	66	49	16	10
10000	98	98	82	82	49	10	10
25000	10	10	10	10	10	10	10
50000	279	279	262	230	10	10	10
100000	476	476	459	426	328	10	10
250000	853	836	804	771	640	361	10
500000	1246	1246	1197	1148	968	607	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	33	33	33	33	33	16	10
2000	66	66	49	49	49	33	10
5000	115	115	115	98	82	49	10
10000	164	164	164	148	115	49	10
25000	262	262	246	230	148	10	10
50000	443	443	426	394	328	10	10
100000	672	672	656	623	541	328	10
250000	1148	1132	1115	1066	935	640	10
500000	1673	1656	1624	1558	1361	968	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	66	66	66	66	49	33	16
2000	115	115	98	98	82	66	33
5000	197	197	197	180	164	115	49
10000	295	279	279	262	230	164	49
25000	476	476	459	443	377	262	10
50000	722	722	689	672	590	443	10
100000	1082	1066	1050	1000	886	672	328
250000	1771	1771	1722	1673	1492	1148	640
500000	2591	2575	2509	2427	2181	1673	968

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Open Area Vertical Stack – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	16	10	10	10
2000	33	33	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	49	49	49	33	33	10	10
5000	49	49	49	33	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	640	623	508	10	10	10	10
500000	1000	984	902	738	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	49	49	49	33	10
2000	98	98	98	82	66	49	10
5000	164	164	164	148	115	49	10
10000	230	230	230	213	148	10	10
25000	328	328	295	262	10	10	10
50000	574	574	541	508	377	10	10
100000	886	869	853	804	656	10	10
250000	1509	1492	1443	1378	1148	640	10
500000	2198	2181	2116	2017	1673	1000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	49	49	49	33	33	10	10
2000	49	49	49	49	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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
500000	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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 – 10 feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Open Area Vertical Stack - 10 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	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.