



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.

Buffer Zone Tables

Table 1: Air Exchange Rate: 1, Application Rate: 1	3
Table 2: Air Exchange Rate: 1 Application Rate: 2	4
Table 3: Air Exchange Rate: 1 Application Rate: 3.....	5
Table 4: Air Exchange Rate: 1 Application Rate: 4.....	6
Table 5: Air Exchange Rate: 1 Application Rate: 5.....	7
Table 6: Air Exchange Rate: 1 Application Rate: 7.5.....	8
Table 7: Air Exchange Rate: 1 Application Rate: 15.....	9
Table 8: Air Exchange Rate: 5 Application Rate: 1.....	10
Table 9: Air Exchange Rate: 5 Application Rate: 2.....	11
Table 10: Air Exchange Rate: 5 Application Rate: 3.....	12
Table 11: Air Exchange Rate: 5 Application Rate: 4.....	13

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 12: Air Exchange Rate: 5 Application Rate: 5.....	14
Table 13: Air Exchange Rate: 5 Application Rate: 7.5.....	15
Table 14: Air Exchange Rate: 5 Application Rate: 15.....	16
Table 15: Air Exchange Rate: 10 Application Rate: 1.....	17
Table 16: Air Exchange Rate: 10 Application Rate: 2.....	18
Table 17: Air Exchange Rate: 10 Application Rate: 3.....	19
Table 18: Air Exchange Rate: 10 Application Rate: 4.....	20
Table 19: Air Exchange Rate: 10 Application Rate: 5.....	21
Table 20: Air Exchange Rate: 10 Application Rate: 7.5	22
Table 21: Air Exchange Rate: 10 Application Rate: 15.....	23
Table 22: Air Exchange Rate: 20 Application Rate: 1.....	24
Table 23: Air Exchange Rate: 20 Application Rate: 2.....	25
Table 24: Air Exchange Rate: 20 Application Rate: 3.....	26
Table 25: Air Exchange Rate: 20 Application Rate: 4.....	27
Table 26: Air Exchange Rate: 20 Application Rate: 5.....	28
Table 27: Air Exchange Rate: 20 Application Rate: 7.5	29
Table 28: Air Exchange Rate: 20 Application Rate: 15.....	30
Table 29: Air Exchange Rate: 50 Application Rate: 1.....	31
Table 30: Air Exchange Rate: 50 Application Rate: 2.....	32
Table 31: Air Exchange Rate: 50 Application Rate: 3.....	33
Table 32: Air Exchange Rate: 50 Application Rate: 4.....	34
Table 33: Air Exchange Rate: 50 Application Rate: 5.....	35
Table 34: Air Exchange Rate: 50 Application Rate: 7.5	36
Table 35: Air Exchange Rate: 50 Application Rate: 15.....	37
Table 36: Air Exchange Rate: 70 Application Rate: 1.....	38
Table 37: Air Exchange Rate: 70 Application Rate: 2.....	39
Table 38: Air Exchange Rate: 70 Application Rate: 3.....	40
Table 39: Air Exchange Rate: 70 Application Rate: 4.....	41
Table 40: Air Exchange Rate: 70 Application Rate: 5.....	42
Table 41: Air Exchange Rate: 70 Application Rate: 7.5	43
Table 42: Air Exchange Rate: 70 Application Rate: 15.....	44

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 1: Air Exchange Rate: 1, Application Rate: 1

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	1
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	443	443	394	328	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	1
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	672	656	623	558	377	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 6: Air Exchange Rate: 1 Application Rate: 7.5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	1
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	836	820	754	426	10	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 7: Air Exchange Rate: 1 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	1
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	1328	1312	1263	1181	902	10	10

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 8: Air Exchange Rate: 5 Application Rate: 1

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 9: Air Exchange Rate: 5 Application Rate: 2

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 10: Air Exchange Rate: 5 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 11: Air Exchange Rate: 5 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



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

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	5

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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 13: Air Exchange Rate: 5 Application Rate: 7.5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	7.5

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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 14: Air Exchange Rate: 5 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 15: Air Exchange Rate: 10 Application Rate: 1

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 16: Air Exchange Rate: 10 Application Rate: 2

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 17: Air Exchange Rate: 10 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 18: Air Exchange Rate: 10 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 19: Air Exchange Rate: 10 Application Rate: 5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	5

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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 20: Air Exchange Rate: 10 Application Rate: 7.5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	7.5

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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 21: Air Exchange Rate: 10 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
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	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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 22: Air Exchange Rate: 20 Application Rate: 1

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	20
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	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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 23: Air Exchange Rate: 20 Application Rate: 2

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 24: Air Exchange Rate: 20 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	20
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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 25: Air Exchange Rate: 20 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 feet
Air Exchange Rate (/hr):	20
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	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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 26: Air Exchange Rate: 20 Application Rate: 5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 27: Air Exchange Rate: 20 Application Rate: 7.5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 28: Air Exchange Rate: 20 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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	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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 29: Air Exchange Rate: 50 Application Rate: 1

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 30: Air Exchange Rate: 50 Application Rate: 2

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 31: Air Exchange Rate: 50 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 32: Air Exchange Rate: 50 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 33: Air Exchange Rate: 50 Application Rate: 5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 34: Air Exchange Rate: 50 Application Rate: 7.5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 35: Air Exchange Rate: 50 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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

Round up to the nearest enclosure size and retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones
 Active Aeration: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 36: Air Exchange Rate: 70 Application Rate: 1

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 37: Air Exchange Rate: 70 Application Rate: 2

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 38: Air Exchange Rate: 70 Application Rate: 3

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 39: Air Exchange Rate: 70 Application Rate: 4

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet
 Aeration Time: Longer than 8 hours



Table 40: Air Exchange Rate: 70 Application Rate: 5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 41: Air Exchange Rate: 70 Application Rate: 7.5

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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: Attached Vertical Stack - 50 Feet

Aeration Time: Longer than 8 hours



Table 42: Air Exchange Rate: 70 Application Rate: 15

Aeration time:	Longer than 8 hours
Aeration method:	Attached Vertical Stack - 50 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.