



## 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](http://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 – 50 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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	1

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	2

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	3

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	4

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	7.5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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	1148	1132	1050	902	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft <sup>3</sup> ):	15

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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	1443	1427	1378	1296	1050	10	10
500000	2280	2263	2198	2116	1820	1148	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	1

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	2

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	3

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	4

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	7.5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft <sup>3</sup> ):	15

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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	1378	1328	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	1

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	2

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	3

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	4

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	7.5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10
<b>500000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft <sup>3</sup> ):	15

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	1

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	2

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	3

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	4

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	7.5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft <sup>3</sup> ):	15

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	1

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	2

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	3

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	4

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	7.5

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	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 – 50 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 - 50 feet
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft <sup>3</sup> ):	15

Buffer Zone Distances (in feet)

Size (ft <sup>3</sup> )	Retention Rate (%)						
	100	99	95	90	75	50	25
<b>1000</b>	10	10	10	10	10	10	10
<b>2000</b>	10	10	10	10	10	10	10
<b>5000</b>	10	10	10	10	10	10	10
<b>10000</b>	10	10	10	10	10	10	10
<b>25000</b>	10	10	10	10	10	10	10
<b>50000</b>	10	10	10	10	10	10	10
<b>100000</b>	10	10	10	10	10	10	10
<b>250000</b>	10	10	10	10	10	10	10

Round up to the nearest enclosure size and retention rate.