



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 instruction to(*add label language*). This document is an extension of the product label and is considered enforceable labeling...(labeling disclaimer, don't tamper with, etc. if needed). Refer to the product label for directions on buffer zone management.

Instructions

To get the buffer zone table for your aeration, 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.

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 down to the nearest enclosure size and round up to the nearest retention rate.

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Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	1

Buffer Zone Distances (in feet)

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	60	60	55	55	45	35	15	5	0	0
2000	100	95	95	90	80	55	35	10	0	0
5000	185	185	180	170	150	110	65	30	10	0
10000	290	290	280	270	240	180	105	50	25	0
25000	500	500	485	470	415	320	190	85	50	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	2

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	3

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	4

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	7.5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	1
Application Rate (lbs/1000 ft ³):	15

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	1

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	2

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	3

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	4

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	7.5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	5
Application Rate (lbs/1000 ft ³):	15

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	1

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	2

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	3

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	4

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	7.5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	10
Application Rate (lbs/1000 ft ³):	15

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	1

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	2

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	3

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	4

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	7.5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	20
Application Rate (lbs/1000 ft ³):	15

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	1

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	2

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	3

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	4

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	7.5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	50
Application Rate (lbs/1000 ft ³):	15

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	1

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	2

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	3

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	4

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.

Methyl Bromide Commodity and Structural Fumigation Buffer Zones

Active Aeration: Fixed Vertical Stacks

Stack Height: 10 feet



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	7.5

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.



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

Aeration time:	8 hours or less
Aeration method:	Active Aeration: Fixed Vertical Stacks
Stack Height (feet):	10
Air Exchange Rate (/hr):	70
Application Rate (lbs/1000 ft ³):	15

	Retention									
Size	100	99	95	90	75	50	25	10	5	1
1000	25	25	25	20	15	5	0	0	0	0
2000	65	65	60	60	45	30	15	0	0	0
5000	155	155	145	140	115	75	40	15	10	0
10000	285	285	275	265	235	175	100	45	20	0
25000	495	490	475	460	410	310	180	80	45	0
50000	760	755	730	705	635	480	290	135	75	10
100000	1160	1150	1120	1075	955	735	455	215	120	30
250000	1440	1440	1440	1440	1440	1295	800	385	210	60

Round down to nearest enclosure size.

Round up to the nearest retention rate.