

Methyl Bromide(CH₃Br)

The benchmark for methyl bromide fumigation is 48 grams per cubic metre (g/m³) at 21°C for 24 hours. For each 5°C the temperature is expected to fall below 21°C the fumigator must add 8g/m³ of methyl bromide. **Treatments undertaken below 10°C will not be accepted after 27 June 2004.** See the following table to ascertain correct dosage rates for methyl bromide in relation to temperature. The minimum duration of this treatment is 24 hours regardless of temperature and dosage.

Methyl Bromide and Carbon Dioxide Mixtures

When assessing fumigation certificates for treatments where mixtures of methyl bromide and carbon dioxide have been used, accredited brokers can answer “No” to the 2nd barrier question in COMPILE in the following circumstances:

If the fumigation certificate clearly states that the dosage of methyl bromide complies with AQIS requirements (See table: prescribed minimum dosage of methyl bromide (CH₃Br) for various temperatures) AND

If the fumigation certificate clearly indicates that the dosage recorded in the certificate refers to the methyl bromide component of the mixture only.

Examples of acceptable methyl bromide statements are included below

“Dosage of methyl bromide (excluding dilutant)”

“Dosage of methyl bromide only”

If the treatment provider supplies written confirmation confirming that the dosage of methyl bromide recorded on the certificate complies with AQIS dose requirements and refers to the methyl bromide component of the mixture only.

Prescribed minimum dosage of Methyl Bromide (CH₃Br) for various temperatures (except under vacuum - see note 2 on following page)

Dosage	Duration	Temperature
48g/m ³ (3 lbs/1000 cu ft)	24 hours	Minimum of 21°C (70°F) or above
56g/m ³ (3.5 lbs/1000 cu ft)	24 hours	Minimum of 16-20°C
64g/m ³ (4 lbs/1000 cu ft)	24 hours	Minimum of 11°-15°C
72g/m ³ (4.5 lbs/1000 cu ft)	24 hours	Minimum of 5° - 10°C
80g/m³ (5 lbs/1000 cu ft)	24 hours	Minimum of 4°C

* See Conversion Factors in Chapter 2, Section 7, page 12 to convert these values between metric and imperial.