

$$C_S = \frac{VP * MW * 1,000,000}{760 * V_m}$$

$C_S$  = The air vapor concentration of a pesticide at saturation

$VP$  = Vapor pressure

$MW$  = Molecular weight

$V_m$  = Volume in liters occupied by 1 mol of a gas at temperature of 25 degrees C and pressure of 1 atm according to the ideal gas law

1,000,000 = Conversion factor

760 = Pressure at standard pressure and temperature in mm Hg