

Appendix

Conversion Factors

The following information is useful in converting metric system units to English system units:

Mass

g = gram = 0.0022 pounds

kg = kilogram = 1,000 grams = 2.205 pounds

Mg = megagram = 1,000 kilograms = 1 metric tonne = 1.10 U.S. tons

mg = milligram = 0.001 grams

Length

m = meter = 1.094 yards

km = kilometer = 1,000 meters = 0.621 miles

cm = centimeter = 0.01 meters = 0.394 inches

mm = millimeter = 0.001 meters

μm = micrometer = 0.000001 meters

nm = nanometer = 0.000000001 meters

Volume

L = liter = 1.057 quarts = 0.265 gallons

kL = kiloliter = 1,000 liters = 265 gallons

μL = microliter = 0.000001 liters

m^3 = cubic meter = 35.3 cubic feet

Area

ha = hectare = 2.47 acres

Application Rate or Crop Yield

kg ha^{-1} = kilograms per hectare = 0.893 pounds per acre

Mg ha^{-1} = megagrams per hectare = 893 pounds per acre = 0.446 U.S. tons per acre

bushels ha^{-1} = bushels per hectare = 0.405 bushels per acre

$\text{m}^3 \text{ ha}^{-1}$ = cubic meters per hectare = 14.3 cubic feet per acre

Concentration

g L^{-1} = grams per liter = parts per thousand

mg L^{-1} = milligrams per liter = parts per million

$\mu\text{L L}^{-1}$ = microliters per liter = parts per million

kg m^{-3} = kilograms per cubic meter = 0.062 pounds per cubic foot

g kg^{-1} = grams per kilogram = percent divided by ten

mg kg^{-1} = milligrams per kilogram = parts per million

Radioactivity

pCi g^{-1} = picocurie per gram = 2.22 radioactive disintegrations per minute per gram of material