

Common Conversions

Area

1 acre = 43,560 ft²
1 hectare = 2.471 acres
1 hectare = 107,635 ft²
1 ft² = 144 in²
1 m² = 10,000 cm²
1 m² = 10.764 ft²

Concentration

1 ppm = 1 mg/1 kg
1 ppm = 1 mg/(1 liter of H₂O)
Number of moles = (weight in grams)/(molecular weight)
1 M = (1 mole of solute)/(1 liter of solvent)
1 mM = (0.001 mole of solute)/(1 liter of solvent)
1 μM = (1 × 10⁻⁶ mole of solute)/(1 liter of solvent)

Length

| | |
|---------------------|----------------------|
| 12 inches = 1 ft | 1 km = 3,281 ft |
| 2.54 cm = 1 inch | 1 mile = 5,280.01 ft |
| 1 m = 100 cm | 1 inch = 25.4 mm |
| 1 km = 0.6214 miles | 1 mm = 0.03927 inch |

Temperature

| | |
|-------------|---------------|
| 32 F = 0 C | 80 F = 30 C |
| 50 F = 10 C | 86 F = 30 C |
| 68 F = 20 C | 212 F = 100 C |

Volume

1 gallon = 3.783 liters
1 gallon = 0.1337 ft³
1 liter = 1000 cc (ml)
1 acre foot = 43,560 ft³
1 acre foot = 325,804.04 gallons

Weight

| | |
|---------------------|--------------------------------|
| 1 g = 1000 mg | 1 ton = 2000 pounds |
| 1 kg = 1000 g | 1 ton = 907.2 kg |
| 1 ounce = 28.3 g | 1 kg = 35.27 ounces |
| 1 pound = 16 ounces | 1 μg = 1 × 10 ⁻³ mg |
| 1 pound = 454 g | 1 μg = 1 × 10 ⁻⁶ g |

These common conversions printed from the
TAMU Plant Tissue Culture Network
(<http://webtutor.tamu.edu/students/herring/project/index.html>)