



Appendix D

Conversion Tables

TABLE D-1-1: Conversion Tables

To convert from:	To:	Multiply by:
Acres (a)	Hectares (ha)	0.4047
Acres (a)	Square meters (m ²)	4,047.0
Celsius	Fahrenheit	9/5 (then add 32)
Centimeters, cu. (cm ³)	Cubic inches (in ³)	0.061
Centimeters, sq. (cm ²)	Square inches (in ²)	0.155
Centimeters (cm)	Inches (in)	0.3937
Fahrenheit	Celsius	First, subtract 32, then multiply by ⁵ / ₉
Feet, cubic (ft ³)	Liters (L)	28.32
Feet, cubic (ft ³)	Cubic meters (m ³)	0.0283
Feet, square (ft ²)	Square meters (m ²)	0.0929
Feet, square (ft ²)	Sq. centimeters (cm ²)	929.0
Feet (ft)	Centimeters (cm)	30.48
Feet (ft)	Meters (m)	0.3048
Gallons (gal)	Liters (L)	3.785
Grams (g)	Ounces (oz)	0.0353
Hectares (ha)	Acres (a)	2.471
Inches (in)	Centimeters (cm)	2.54
Inches, square (in ²)	Sq. centimeters (cm ²)	6.4516
Inches, cubic (in ³)	Cu. centimeters (cm ³)	16.387
Kilograms (kg)	Pounds (lb)	2.205
Kilograms (kg)	Ounces (oz)	35.27
Kilometers, sq. (km ²)	Square miles (mi ²)	0.3861
Kilometers, sq. (km ²)	Acres (a)	247.1
Kilometers (km)	Miles (mi)	0.6214
Liters (L)	Gallons (gal)	0.2642
Liters (L)	Quarts (qt)	1.0567
Meters, cubic (m ³)	Cubic feet (ft ³)	35.314
Meters, cubic (m ³)	Cubic yards (yd ³)	1.308
Meters (m)	Feet (ft)	3.281
Meters (m)	Yards (yd)	1.0936
Meters, sq. (m ²)	Square inches (in ²)	1,550.00
Meters (m)	Inches (in)	39.37
Meters, sq. (m ²)	Square feet (ft ²)	10.764

TABLE D-1-1: Conversion Tables

To convert from:	To:	Multiply by:
Miles, square (mi ²)	Hectares (ha)	258.99
Miles, square (mi ²)	Sq. kilometers (km ²)	2.5899
Miles, statute (mi)	Meters (m)	1,609.347
Miles, statute (mi)	Kilometers (km)	1.609
Milliliters (ml)	Liquid ounces (lq oz)	0.0338
Nautical miles	Meters (m)	1,852.00
Ounces, fluid (fl oz)	Milliliters (ml)	29.57
Ounces (oz)	Kilograms (kg)	0.0284
Ounces (oz)	Grams (g)	28.35
Pounds (lb)	Kilograms (kg)	0.4536
Pounds (lb)	Grams (g)	453.6
Quarts (qt)	Liters (L)	0.9464
Tons, short (2000 lb)	Metric tons (t)	0.9072
Tons, Metric (t)	Tons, short	1.102
Yards, cubic (yd ³)	Liters (L)	764.6
Yards, cubic (yd ³)	Cubic meters (m ³)	0.765
Yards (yd)	Meters (m)	0.9144
Yards (yd)	Centimeters (cm)	91.44

Miscellaneous:

- Ounces (weight) per 1,000 cu. ft. = grams per cu. meter (g/m³)
- Pounds per acre (lb/a) × 1.1206 = kg/ha
- Ounces (liquid) per acre × 73.14 = ml/ha
- Gallons per acre (gal/a) × 9.3527 = liters per hectare (L/ha)
- Pressure per square inch (PSI) × 6.894757 = kilopascals (kPa)
- Inches mercury × 3.38 = kilopascals (kPa)
- Grams per cu. meter (g/m³) = ounces per 1,000 cu. ft. (oz/1,000 ft³)
- Kilogram per hectare (kg/ha) × 0.8924 = pounds per acre
- Milliliters per hectare × 0.01367 = ounces (lq.) per acre
- Liters per hectare (L/ha) × 0.1069 = gallons per acre
- Kilopascals (kPa) × 0.145038 = pounds per square inch (PSI)
- Grams per liter × 0.008345 = pounds per gallon
- Kilopascals (kPa) × 0.29586 = inches mercury