

Measurement Conversion Factors

| GENERAL | | | |
|----------------------------------|-----------------------|--|--------------------|
| One HP | | 2,545 Btu | |
| One Acre | | 43,560 Square Feet or 0.405 Hectares | |
| One Hectare | | 2.471 Acres | |
| One Gallon per Acre | | 9.35 Liters per Hectare | |
| One Mile | | 5,280 Feet or 1610 Meters or 1.61 Kilometers | |
| One Gallon | | 128 Fluid Ounces or 8 Pints or 4 Quarts | |
| One Gallon | | 3.79 Liters or 0.83 Imperial Gallons | |
| One Pound per Square Inch (PSI) | | 0.070 kg/cm ² | |
| One Pound per Square Inch (PSI) | | 6.895 kPa (Kilopascal) | |
| One Pound | | 454 Kilogram | |
| One Inch | | 2.54 Centimeters | |
| AREA MEASURE | | | |
| 144 Square Inches | | 1 Square Foot | |
| 9 Square Feet | | 1 Square Yard | |
| 30 1/4 Square Yards | | 1 Square Rod | |
| 160 Square Rods | | 1 Acre | |
| 1 Acre | | 43,560 Square Feet | |
| 640 Acres | | 1 Square Mile | |
| 1 Square Mile | | 1 Section (of Land) | |
| 1 Rod | | 16.5 Feet | |
| LINEAR MEASURE DRY MEASURE | | | |
| 12 Inches | 1 Foot | 1/2 Quart | 1 Pint |
| 3 Feet | 1 Yard | 2 Pints | 1 Quart |
| 5 1/2 Feet | 1 Rod | 8 Quarts | 1 Peck |
| 40 Rods | 1 Furlong | 4 Pecks | 1 Bushels |
| 8 Furlongs | 1 Mile | 105 Quarts | 1 Barrel |
| 1 Mile | 5,280 Feet = 320 Rods | | |
| LIQUID MEASURE CUBIC MEASURE | | | |
| 1/16 Pint | 1 Ounce | 1,728 Cubic Inches | 1 Cubic Foot |
| 4 Ounces | 1 Gill | 27 Cubic Feet | 1 Cubic Yard |
| 4 Gills | 1 Pint = 16 Ounces | 128 Cubic Feet (4 x 4 x 8) | 1 Cord (Wood) |
| 2 Pints | 1 Quart = 32 Ounces | 231 Cubic Inches | 1 Gallon |
| 4 Quarts | 1 Gallon | 2,150.4 Cubic Inches | 1 Bushel |
| 31 1/2 Gallons | 1 Barrel | | |
| 31 1/2 Gallons | 126 Quarts | | |
| HEAD | | | |
| 1 Pound per Square Inch (PSI) | | 2.31 Feet of Water 2.04 Inch Mercury | |
| 1 Foot of Water | | 0.433 Pounds per Square Inch 0.885 Inch Mercury | |
| 1 Inch of Mercury | | 1.132 Foot of Water | |
| 1 Kilogram per Square centimeter | | 14.22 Pounds per Square Inch | |
| 1 Atmosphere (at Sea Level) | | 14.7 Pounds per Square Inch 33.9 Feet of Water 10.35 Meters of Water | |
| 1 Meter of Water | | 3.28 Feet of Water | |
| WEIGHT OF SOLUTION | | SPECIFIC GRAVITY | CONVERSION FACTORS |
| 7.0 Pounds per Gallon | | .84 | 1.09 |
| 8.0 Pounds per Gallon | | .96 | 1.02 |
| 8.34 Pounds per Gallon – Water | | 1.00 | 1.00 |
| 9.0 Pounds per Gallon | | 1.08 | .96 |
| 10.0 Pounds per Gallon | | 1.20 | .91 |
| 11.0 Pounds per Gallon | | 1.32 | .87 |
| 12.0 Pounds per Gallon | | 1.44 | .83 |
| 14.0 Pounds per Gallon | | 1.68 | .77 |
| 16.0 Pounds per Gallon | | 1.92 | .72 |
| 18.0 Pounds per Gallon | | 2.16 | .68 |
| 20.0 Pounds per Gallon | | 2.40 | .65 |
| Imperial Gallon | | 1.20 USA Gallons | |

| VOLUME | |
|---------------------|--|
| 1 US Gallon | 231 Cubic Inches 0.137 Cubic Feet 3.785 Liters .00379 Cubic Meters 0.833 Imperial Gallon |
| 1 Imperial Gallon | 1.2 US Gallons 277.274 Cubic Inches |
| 1 Cubic Foot | 1728 Cubic Inches 7.481 US Gallons 0.0283 Cubic Meter |
| 1 Liter | 0.2642 US Gallon |
| 1 Cubic Meter | 35.314 Cubic Feet 264.2 US Gallons |
| 1 Acre Foot | 43,560 Cubic Feet 325,829 US Gallons |
| 1 Acre Inch | 3,630 Cubic Feet 27,100 US Gallons |
| 1 Barrel (Oil) | 42 US Gallons |
| METRIC CONVERSION | |
| LINEAR MEASURE | |
| 1 Centimeter | 0.3937 Inches |
| 1 Inch | 2.54 Centimeters |
| 1 Decimeter | 3.937 Inches or 0.328 Feet |
| 1 Foot | 3.048 Decimeters |
| 1 Meter | 39.37 Inches or 1.0936 Yards |
| 1 Yard | 0.9144 Meter |
| 1 Dekameter | 1.9884 Rods |
| 1 Rod | 0.5029 Dekameter |
| 1 Kilometer | 0.62137 Mile |
| 1 Mile | 1.6093 Kilometers |
| SQUARE MEASURE | |
| 1 Square Centimeter | 0.1550 Square Inch |
| 1 Square Inch | 6.452 Square Centimeters |
| 1 Square Decimeter | 0.1076 Square Foot |
| 1 Square Foot | 9.2903 Square Decimeter |
| 1 Square Meter | 1.196 Yards |
| 1 Square Yard | 0.8361 Square Meter |
| 1 Acre | 160 Square Rods |
| 1 Square Rod | 0.00625 Acre |
| 1 Hectare | 2.47 Acres |
| 1 Acre | 0.4047 Hectare |
| 1 Square Kilometer | 0.386 Square Mile |
| 1 Square Mile | 2.59 Square Kilometers |
| MEASURE OF VOLUME | |
| 1 Cubic Centimeter | 0.061 Cubic Inch |
| 1 Cubic Inch | 16.39 Cubic Centimeters |
| 1 Cubic Decimeter | 0.0353 Cubic Foot |
| 1 Cubic Foot | 28.317 Cubic Decimeters |
| 1 Cubic Yard | 0.7646 Cubic Meter |
| 1 Stere | 0.2759 Cord |
| 1 Cord | 3.624 Steres |
| 1 Liter | 0.908 Quart Dry or 1.0567 Quarts Liquid |
| 1 Quart Dry | 1.101 Liters |
| 1 Quart Liquid | 0.9463 Liter |
| 1 Dekaliter | 2.6417 Gallons or 1.135 Pecks |
| 1 Gallon | 0.3785 Dekaliter |
| 1 Peck | 0.881 Dekaliter |
| 1 Hektoliter | 2.8375 Bushels |
| 1 Bushel | 0.3525 Hektoliter |
| WEIGHTS | |
| 1 Gram | 0.03527 Ounce |
| 1 Ounce | 28.35 Grams |
| 1 Kilogram | 2.2046 Pounds |
| 1 Pound | 0.4536 Kilogram |
| 1 Metric Ton | 0.98421 English Ton |
| 1 English Ton | 1.016 Metric Ton |