

CONVERSION: U.S. & METRIC MEASURES

U.S. Units ^z	Metric Equivalents	Conversion Factors (Metric to U.S.)
LENGTH OR THICKNESS		
1 mile	= 1.6093 kilometers (km)	× 0.6214
1 yard	= 0.9144 meters (m)	× 1.0936
1 foot (ft)	= 0.3048 m	× 3.2808
1 inch	= 2.5400 centimeters (cm)	× 0.3937
1 mil (1/1000 inch)	= 0.0254 millimeters (mm)	× 39.3700
AREA		
1 square inch (inch ²)	= 6.4516 square centimeters (cm ²)	× 0.1550
1 square yard (yd ²)	= 0.8361 square meters (m ²)	× 1.1960
1 acre	= 0.4047 hectares (ha)	× 2.4710
1 section (mile ²)	= 258.988 ha	× 0.0039
VOLUME OR CAPACITY		
1 pint	= 0.4732 liters (L)	× 2.1133
1 gallon (gal)	= 3.7853	× 0.2642
1 bushel (bu)	= 35.2381	× 0.0284
1 acre-inch	= 102.7938 cubic meters (m ³)	× 0.0097
1 cubic inch (inch ³)	= 0.01639 L	× 61.024
1 cubic foot (ft ³)	= 28.32 L	× 0.03531
WEIGHT		
1 ounce (oz)	= 28.3495 grams (g)	× 0.0353
1 pound (lb)	= 0.4536 kilograms (kg)	× 2.2046
1 hundredweight (cwt)	= 45.3592 kg	× 0.0220
1 ton	= 0.9072 metric ton	× 1.1022
RATE OR YIELD		
1 grain/pound (gr/lb)	= 0.1429 grams/kilogram (g/kg)	× 7.0000
1 pound/acre (lb/acre)	= 1.1208 kilogram/hectare (kg/ha)	× 0.8922
1 ton/acre	= 2.2417 metric tons/hectare	× 0.4461
1 gallon/acre (gal/acre)	= 9.346 liters/hectare (L/ha)	× 0.1070
1 Fla. field box/acre	= 194.3958 L/h	× 0.5162
1 bushel/acre (bu/acre)	= 87.072 L/h	× 1.1488
1 pound/100 gallons (lb/100 gal)	= 1.1983 grams/liter (g/L)	× 0.8345
1 cubic foot/minute (ft ³ /min or cfm)	= 0.4720 liters/second (L/s)	× 2.1186
ENERGY, LIGHT, & PRESSURE		
1 horsepower (HP)	= 0.7457 kilowatts (kw)	× 1.3410
1 foot candle (ft-cp)	= 10.7639 lux	× 0.0929
1 pound/square inch (psi)	= 70.3069 grams/cm	× 0.0142
1 British Thermal Unit (BTU)	= 0.2530 kilogram calories (kg-cal)	× 3.9526
TEMPERATURE		
Fahrenheit = (°C × 1.8) + 32	Celsius (Centigrade) = (°F – 32) ÷ 1.8	