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# CDP Technical Note: Units of Measure Conversions

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CDP Climate Change Questionnaire



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## Version

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Version	Revision date	Revision summary
1.0	2013	First published version.
1.1	April 7, 2020	Online tools updated.
1.2	January 7, 2021	Conversion rates corrected.

# Conversions table

To Convert from:	To:	Multiply by:
Kilograms (kg)	Pounds(lbs)	2.20462
Pounds(lbs)	Kilograms (kg)	0.45359
Pounds(lbs)	Metric tons	$4.53592 \times 10^{-4}$
Short tons	Pounds(lbs)	2,000
Short tons	Metric tons	0.90718
Metric tons	Short tons	1.10231
Metric tons	Kilograms (kg)	1,000
Cubic meters (m <sup>3</sup> )	Cubic feet (ft <sup>3</sup> )	35.31467
Gallons (liquid, US)	Liters (l)	3.78541
Liters (l)	Gallons (liquid, US)	0.26417
Barrels of Liquid Fuel (bbl)	Cubic meters (m <sup>3</sup> )	0.15899
Cubic meters (m <sup>3</sup> )	Barrels of Liquid Fuel (bbl)	6.2898
Barrels of Liquid Fuel (bbl)	Gallons (liquid, US)	42
Gallons (liquid, US)	Barrels of Liquid Fuel (bbl)	0.023810
Gallons (liquid, US)	Cubic meters (m <sup>3</sup> )	0.0037854
Liters (l)	Cubic meters (m <sup>3</sup> )	0.001
Feet (ft)	Meters (m)	0.3048
Meters (m)	Feet (ft)	3.28084
Miles (mi)	Kilometers (km)	1.60934
Kilometers (km)	Miles (mi)	0.62137
Square feet (ft <sup>2</sup> )	Acres	$2.29568 \times 10^{-5}$
Square meters (m <sup>2</sup> )	Acres	$2.47105 \times 10^{-4}$
Square miles (mi <sup>2</sup> )	Square Kilometers (km <sup>2</sup> )	2.58999
Degrees Celsius (°C)	Degrees Fahrenheit (°F)	$(°F) = (9/5 \times °C) + 32$
Degrees Fahrenheit (°F)	Degrees Celsius (°C)	$(°C) = (°F - 32) \times 5/9$
Degrees Celsius (°C)	Kelvin (K)	$K = °C + 273.15$
Kelvin (K)	Degrees Rankine (°R)	1.8
Joules	Btu	$9.47817 \times 10^{-4}$
Btu	MMBtu	$1 \times 10^{-6}$
Pascals (Ps)	Inches of Mercury (inHg)	$2.95334 \times 10^{-4}$
Inches of Mercury (inHg)	Pounds per square inch (psi)	0.491154
Pounds per square inch (psi)	Inches of Mercury (inHg)	2.03602

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## Online tools

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Online tools can also aid in the conversion of different units and measures. Such tools can be found at:

- [www.onlineconversion.com/](http://www.onlineconversion.com/)
- [www.theonlineconverter.co.uk/](http://www.theonlineconverter.co.uk/)
- [www.convert-me.com/](http://www.convert-me.com/)