

Convert



An English/Metric Unit Conversion Tool

I wrote this for my sister-in-law Kate, who needed a tool to convert from English to Metric. She needed some peculiar conversions (like English tons per acre to Metric tons per hectare) that I didn't think I'd find elsewhere. While I was at it, I added the formulae to do several other common (and not so common) conversions.

Keyboard users: Tab between the controls or press [Alt] plus one of the underlined letters to jump between them. The standard [Ctrl]+[Ins] key combination copies the currently highlighted value. The Edit/Copy menu command copies the *entire* value, regardless of what is highlighted.

This application is Freeware. There are no warranties implied or expressed.

I knocked out this application using Microsoft VisualBasic in just a few hours, complete with this Help screen. Who says Windows programming is hard?

Freeware

Freeware means it's free. Don't send me money. Give it away to anybody you want, but don't charge them anything for it (not that it's worth much to most normal people). If the application blows your PC to hot shrapnel or convinces you to buy hog belly futures on margin, don't come to me saying it's my fault. You get what you pay for and, like I said, this is Freeware.

If you absolutely think that this is the hottest thing since sliced cheese and won't be able to sleep nights without somehow expressing your gratitude to me, go do something nice to the world, like plant a tree or give blood or something.

English

You know, the stupid units of measurements we use in America, like ounces, pounds, cups, quarts, feet, miles, acres and other stuff that nobody can ever remember how to convert between. Quick: how many fathoms in a furlong?

Metric

The units of measurements used by the rest of the world, from the Japanese who are leaving us in their economic dust to bloody third world countries who still cook food on burning cow dung. It's all based on units of 10, instead of units like 12, 16 and 5280.

Formulae

The following are the formulae I used to convert from English to Metric units. I got them from the 1991 World Almanac and Book of Facts by Pharos Books, a Scripps Howard Company. Any errors in transcription are strictly my own.

To make life easier (for me, anyway), I just inverted most of the formula to achieve the reverse conversion. For example, to convert inches to centimeters, I multiply inches by 25.4. To convert millimeters to inches, I divide by 25.4. I format the output to 4 decimal places, for no particular reason.

1 Inch = 25.4 Millimeters
1 Inch = 2.54 Centimeters
1 Foot = .3048 Meters
1 Yard = .9144 Meters
1 Miles = 1.609 Kilometers
1 Square Inch = 6.4516 Square Centimeters
1 Square Foot = .092903 Square Meters
1 Square Yard = .836 Square Meters
1 Acre = .405 Hectares
1 Square Mile = 258.999 Hectares
1 Cubic Inch = 16.387 Cubic Centimeters
1 Cubic Foot = .028317 Cubic Meters
1 Cubic Yard = .765 Cubic Meters
1 Ounce = 28.35 Grams
1 Ounce = .002835 Kilograms
1 Pounds = * .45359237 Kilograms
1 Ton = .907 Metric Tons
1 Fluid Ounce = 29.537 MilliLiters
1 Gallons = 3.785 Liters
1 Bushels = 35.239 Liters
(Fahrenheit - 32) * 5/9 = Celsius
(Celsius + 32) * 9/5 = Fahrenheit
1 Pound/Acre = (.4535927 / .405) Kilograms/Hectare
1 Ton/Acre = (.907 / .405) Metric Tons/Square Kilometer
1 Ton/Square Mile = (.907 / 2.58888) Metric Tons/Square Kilometer