

# Metric Conversions & Prefixes

## Common Metric Conversions

### AREA

Acres  $\div$  2.47 = Hectares

Hectares  $\times$  2.47 = Acres

### VOLUME

Quart  $\div$  1.06 = Liters

Liters  $\times$  1.06 = Quarts

Cubic Inches  $\div$  61.02 = Liters

Liters  $\times$  61.02 = Cubic Inches

### DISTANCE

Inches  $\times$  2.54 = Centimeters

Centimeters  $\div$  2.54 = Inches

Inches  $\div$  39.37 = Meters

Meters  $\times$  39.37 = Inches

Feet  $\div$  3.28 = Meters

Meters  $\times$  3.28 = Feet

Yards  $\div$  1.09 = Meters

Meters  $\times$  1.09 = Yards

Miles  $\div$  .62 = Kilometers

Kilometers  $\times$  .62 = Miles

### WEIGHT

Pounds  $\times$  453 = Grams

Grams  $\div$  453 = Pounds

Pounds  $\div$  2.2 = Kilograms

Kilograms  $\times$  2.2 = Pounds

Tons  $\div$  1.1 = Metric Tons

Metric Tons  $\times$  1.1 = U.S. Tons

Metric Tons  $\times$  2204.6 = Pounds

Metric Tons  $\times$  36.74 = Bushels

Wheat or Soybeans

Metric Tons  $\times$  39.37 = Bushels Corn

## Common Metric Prefixes

micro - one millionth (.000001)

milli - one thousandth (.001)

centi - one hundredth (.01)

deci - one tenth (.10)

deca - ten

hecto - one hundred

kilo - one thousand

mega - one million

## Liquid Measure/Capacity

1 ounce = .02957 liter = 2.957 centiliter

8 oz. = 1 cup = .2365625 liter = 2.365625 deciliter

2 cups = 1 pint = .473125 liter = 4.73125 deciliter

2 pints = 1 quart = .94625 liter

4 quarts = 1 gallon = 3.785 liters

## Dry Weight

1 ounce = 28.35 grams = 2.835 decagrams

16 oz. = 1 pound = 4.536 hectograms = .453 kilograms

2000 lbs. = 1 short ton = 907.2 kilograms = .907 metric tons

## Fahrenheit and Centigrade Scales

To convert Fahrenheit to Centigrade subtract 32 and multiply by .555.

To convert Centigrade to Fahrenheit, multiply by 1.8 and add 32.

F	C	F	C
*212°	100°	104°	40°
194°	90°	86°	30°
176°	80°	68°	20°
158°	70°	50°	10°
140°	60°	◇ 32°	0°
122°	50°		

◇ Freezing point of water

\* Boiling point of water