

Conversion Factors for Metric and U.S. Units

To convert
column 1
into column 2,
multiply by:

To convert
column 2
into column 1,
multiply by:

Column 1	Column 2
LENGTH	
0.621	kilometer, km
1.094	meter, m
0.394	centimeter, cm
1.609	mile, mi
0.914	yard, yd
2.54	inch, in
AREA	
0.386	kilometer ² , km ²
247.1	kilometer ² , km ²
2.471	hectare, ha
2.590	mile ² , mi ²
0.00405	acre, acre
0.405	acre, acre
VOLUME	
0.00973	cubic meter, m ³
3.532	hectoliter, hl
2.838	hectoliter, hl
0.0284	liter, l
1.057	liter, l
102.8	acre-inch
0.2832	cubic foot, ft ³
0.352	bushel, bu
35.24	bushel, bu
0.946	quart (liquid), qt.
MASS	
1.102	tonne (metric)
2.205	quintal, q
2.205	kilogram, kg
0.035	gram, g
0.9072	ton (short)
0.454	hundredweight, cwt (short)
0.454	pound, lb
28.35	ounce (avdp), oz
YIELD OR RATE	
0.446	tonne(metric)/hectare
0.891	kg/ha
0.891	quintal/hectare
1.15	hectoliter/hectare, hl/ha
2.240	ton (short)/acre
1.12	lb/acre
1.12	hundredweight/acre
0.87	bu/acre
TEMPERATURE	
(1.8 x C) + 32	Celcius, C
-17.8°	
0°C	
20°C	
100°C	
0°F	Fahrenheit, F
32°F	
68°F	
212°F	
METRIC PREFIX DEFINITIONS	
mega	1,000,000
kilo	1,000
hecto	100
deca	10
basic metric unit	1
deci	0.1
centi	0.01
milli	0.001
micro	0.000001

TO CONVERT U.S. CROP YIELDS FROM BUSHELS PER ACRE (bu/A) TO METRICS

Corn—bu/A x 0.063 = tonnes/ha
 Soybeans—bu/A x 0.067 = tonnes/ha

Wheat—bu/A x 0.067 = tonnes/ha
 Grain Sorghum—bu/A x 0.056 = tonnes/ha