

METRIC CONVERSION FACTORS

IMPERIAL UNITS	FACTOR	METRIC UNITS
LENGTH		
inches	2.5	centimeters (cm)
feet	30	centimeters (cm)
feet	0.3	meters (m)
yards	0.9	meters (m)
miles	1.6	kilometers (km)

AREA		
square inches	6.5	square centimeters (cm ²)
square feet	0.09	square meters (m ²)
acres	0.40	hectares (ha)

VOLUME		
cubic inches	16	cubic centimeters (cm ³)
cubic feet	0.03	cubic meters (m ³)
cubic yards	0.8	cubic meters (m ³)
fluid ounces	28	milliliters (mL)
pints	0.57	liters (L)
quarts	1.1	liters (L)
gallons (imperial)	4.5	liters (L)
gallons (US)	3.75	liters (L)
bushels	0.36	hectoliters (hL)

WEIGHT		
ounces	28	grams (g)
pounds	0.45	kilograms (kg)
short tons	0.9	tonnes (t)

TEMPERATURE		
degrees Fahrenheit (°F-32)	0.56	degrees Celsius (°C)
	(°F-32) x 5.6 = °C	
	°C x 1.8 + 32 = °F	

POWER		
horsepower	750	watts (w)
	0.75	kilowatts (kw)

USEFUL MEASUREMENTS		
1 Imperial gallon	= 4 quarts	
	= 8 pints	
	= 160 fluid ounces	
	= 10 pounds of water	
	= approx. 1.2 US gallons	
1 U.S. gallon	= 0.8345 or approx. 5/6 Imperial gallon	
	= 8.3 pounds	
1 Imperial pint	= 20 fluid ounces	
	= 570 mL	
1 U.S. pint	= 16 fluid ounces	
	= 475 mL	
1 pound	= 16 ounces	
1 tablespoon	= 3 teaspoons	
	= 14 mL	
2 tablespoons	= 1 fluid ounce	
	= 28 mL	
1 pound in 100,000 gallons of water	= 1 ppm (part per million)	
1 mile	= 5,280 feet	
	= 1,760 yards	
1 yard	= 3 feet	
	= 36 inches	
1 foot	= 12 inches	
1 acre	= approx. 209 by 209 feet or 43,560 square feet	
1 square yard	= 9 square feet	
1 square foot	= 144 square inches	
1 mile an hour	= 88 feet a minute	
1 cubic yd	= 27 cubic feet	
Liters per hectare x 0.4	= liters per acre	
Kilograms per hectare x 0.4	= kilograms per acre	

IMPERIAL UNITS	FACTOR	METRIC UNITS
oz./acre	70	g/ha
lb./acre	1.12	kg/ha
bu./acre	0.9	hL/ha
tons/acre	2.24	t/ha
fl.oz./acre	70	mL/ha
pt./acre	1.4	L/ha
qt./acre	2.8	L/ha
gal./acre	11.2	L/ha
gal./acre (US)	9.35	L/ha
plants/acre	2.47	plants/ha
oz./gal.	6.2	mL/L
lb./gal.	.01	kg/L
oz./sq.ft.	305	g/m ²
lb./sq.ft.	4.9	kg/m ²
oz./ft.row	93	g/m row
lb./ft.row	1.5	kg/m row
ft./sec.	0.3	m/s
m.p.h.	1.6	km/h
p.s.i.	6.9	kPa

To convert from imperial to metric, multiply by the conversion factor.
 For example: 10 inches x 2.5 = 25 centimeters
 To convert from metric to imperial, divide by the conversion factor.
 For example: 25 centimeters / 2.5 = 10 inches

IMPERIAL CONVERSIONS:

1lb/acre x 0.0033 = oz./yd²
 gal/acre x 0.033 = oz./yd²



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