

Woodlands Nurseries

Crooklands ● Milnthorpe ● Cumbria ● LA7 7NJ

T: 015395 67273 ● F: 015395 67850

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CONVERSION AND MEASUREMENT GUIDE

Area	Multiply by	
Square centimetres (cm ²)	0.16	Square inches (sq in)
Square metres (m ²)	1.2	Square yards (sq yd)
Square Kilometres (km ²)	0.4	Square miles (sq mi)
Hectares (ha)	2.5	Acres
Square inches (sq in)	6.5	Square Centimetres
Square feet (sq ft)	0.09	Square metres (m ²)
Square yards (sq yd)	0.8	Square metres (m ²)
Square miles (sq mi)	1.2	Square Kilometres (km ²)
Acres	0.4	Hectares (ha)
Area of circle	Radius x Radius x 3.14	
Mass (weight)		
Grams (g)	0.035	Ounces (oz)
Kilograms (kg)	2.2	Pounds (lb)
Ounces (oz)	28	Grams (g)
Pounds (lb)	0.45	Kilograms (kg)
Volume		
Millilitres (ml)	0.03	Fluid ounces (fl oz)
Litres (l)	2.1	Pints (pt)
Litres (l)	1.06	Quarts (qt)
Litres (l)	0.26	U S gallons (gal)
Litres (l)	0.22	Imperial gallons (gal)
Cubic Centimetres (cc)	16.387	Cubic inches (cu in)
Cubic metres (cm ³)	35	Cubic feet (cu ft)
Cubic metres (cm ³)	1.3	Cubic yards (cu yd)
Teaspoon (tsp)	5	Millimetres (ml)
Tablespoons (tbsp)	15	Millimetres (ml)
Fluid ounces (fl oz)	30	Millimetres (ml)
Cups ©	0.24	Litres (l)
Pints (pt)	0.47	Litres (l)
Quarts (qt)	0.95	Litres (l)

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Multiply by

U S gallons (gal)	3.8	Litres (l)
U S gallons (gal)	231	Cubic inches (cu in)
Imperial gallons (gal)	4.5	Litres (l)
Imperial gallons (gal)	277.42	Cubic inches (cu in)
Cubic inches (cu in)	0.061	Cubic Centimetres (cc)
Cubic feet (cu ft)	0.028	Cubic metres (cm 3)
Cubic yards (cu yd)	0.76	Cubic metres (cm 3)
Volume of a barrel	Diameter x diameter x .7854 x depth	
= cu (whatever you measured in)		

Temperature

Celsius (oC)	Multiply by 1.8 add 32	Fahrenheit (°F)
Fahrenheit (oF)	Subtract 32, multiply by 0.555	Celsius (°C)

Calculate the size of an irregular pond

Av. Length (m) x Av. Width (m) x Av. Depth = m³
 Av. Length (ft) x Av. Width (ft) x Av. Depth = ft³

Convert to Litres/Gallons

m³ x 1000 = Litres
 ft³ x 6.23 = gallons

Calculate the volume of a rectangular or square pond

Length (m) x Width (m) x Depth (m) x 1000 = Litres
 Length (ft) x Width (ft) x Depth (ft) x 6.23 = gallons

Amount of water in a pipe

	Gallons per foot	Litres per metre
½" pipe	0.0085	.1262
¾" pipe	0.0191	.2836
1" pipe	0.0340	.5049
1 ¼" pipe	0.0531	.7885
1 ½" pipe	0.3056	4.538
2" pipe	0.5434	8.069

Calculation for pond liner

Dig the hole with outward slant of 15 – 20 deg 2"-3" outwards for every 9" depth.
 Allowance for shelves 9" deep 12" wide

(Length + twice the maximum depth) x (width + twice the maximum depth)

No allowance is made for overlap, as the saving in the sloping sides becomes the waste. Vertical sided pools or special edging is measured differently.