

CONVERSION FOR AGRICULTURAL SPRAYING

Measure	Imperial Units	Metric Units	CONVERSION FACTORS (APPROX.)	
			Imperial to Imperial Units	Metric to Metric Units
Length	inch (in) foot (ft) yard (yd) mile	millimetre (mm) or centimetre (cm) centimetre (cm) or metre (m) metre (m) kilometre (km)	1 in = 25.4 mm 1 ft = 30.5 cm 1 yd = 0.914 m 1 mile = 1.609 km	1 cm = 0.394 in 1 m = 3.28 ft 1 m = 1.09 yd 1 km = 0.621 mile
Mass	ounce (oz) pound (lb) hundredweight (cwt) ton	gram (g) gram (g) or kilogram (kg) kilogram (kg) tonne (t)	1 oz = 28.3 g 1 lb = 454 g 1 cwt = 50.8 kg 1 ton = 1.02t	1 g = 0.035 oz 1 kg = 2.20 lb 1 kg = 0.020 cwt 1 t = 0.984 ton
Area	square yard (yd ²) acre (ac)	Square metre (m ²) hectare (ha)	1 yd ² = 0.836m ² 1 ac = 0.405 ha	1 m ² = 1.20 yd ² 1 ha = 2.47 ac
Volume (fluids)	fluid ounce (fl oz) pint (pt) gallon (gal)	millilitre (ml) millilitre (ml) or litre (l) litre (l) or cubic metre (m ³)	1 fl oz = 28.4 ml 1 pt = 568 ml 1 gal = 4.55 l	1 ml = 0.035 fl oz 1 litre = 1.76 pt 1 m ³ = 220 gal
Pressure	pound per square inch (psi)	kilopascal (kPa) bar	1 psi = 6.89 kPa 1 psi = 0.069 bar	1 kPa = 0.145 psi 1 bar = 14.5 psi
Velocity	mile per hour (mph) knot (kn)	kilometre per hour (km/h) metre per second (m/s)	1 mph = 1.61 km/h 1 kn = 1.85 km /h	1 km/h = 0.621 mph 1 m/s = 197 ft/min
Temperature	degree Fahrenheit (°F)	degree Celsius (°C)	$^{\circ}\text{C} = \frac{5}{9} (^{\circ}\text{F} - 32)$	$^{\circ}\text{F} = \frac{9}{5} ^{\circ}\text{C} + 32$
Power	horsepower (hp)	kilowatt (kW)	1 hp = 0.746 kW	1 kW = 1.34 hp

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TO CONVERT MULTIPLY BY

mass / area	oz / ac	gm / ha	70.05*	0.0143
	lb / ac	kg / ha	1.122	0.89
volume / area	fl oz / ac	ml / ha	70.21	0.0142
	pint / ac	litre / ha	1.4	0.71
	gal / ac	litre / ha	11.24	0.089
volume / volume		fl oz / 100 gal	ml / 100 litre	6.24 0.16
		pints / 100 gal	ml / 100 litre	125.0 0.008

Note: gallon is British Imperial

* eg. 5 oz/ac x 70.053 = 350.26 gm/ha