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ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1970

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Conversion Factors

Conversion Factors, Rothamsted Research (1971) Numerical Results Of The Field Experiments 1970, pp 333 - 334 - DOI: <https://doi.org/10.23637/ERADOC-1-59>

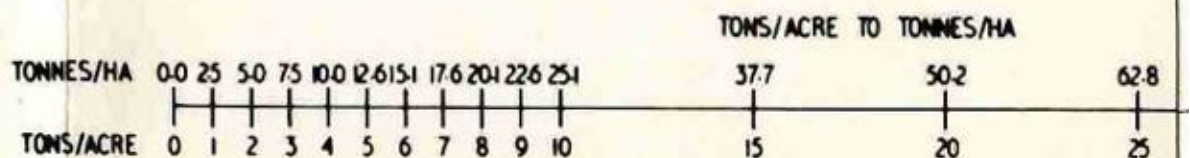
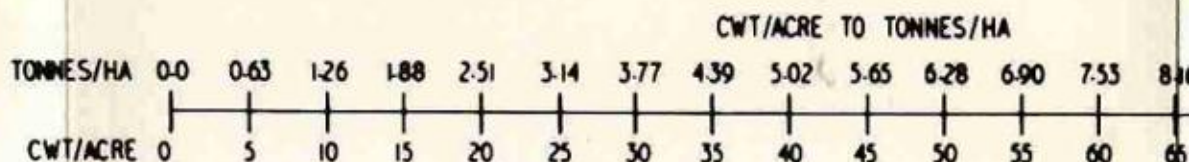
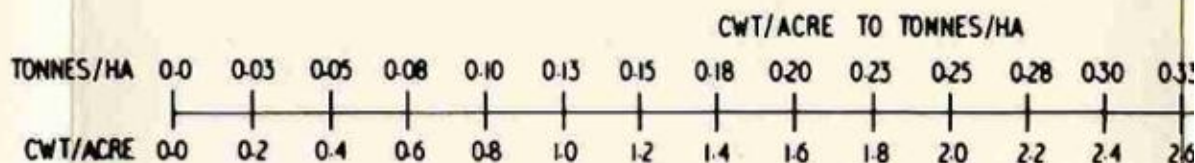
CONVERSION FACTORS

Factors for the Conversion of Imperial to Metric Units

1 inch (in.)	=	2.540 centimetres (cm)
1 foot (ft) (= 12 in.)	=	30.48 cm
1 yard (yd) (= 3 ft)	=	0.9144 metre (m)
1 square yard (sq yd)	=	0.8361 sq m
1 acre (= 4840 sq yd)	=	0.4047 hectare (ha)
1 ounce (oz)	=	28.35 grams (g)
1 pound (lb)	=	0.4536 kilogram (kg)
1 hundredweight (cwt) (= 112 lb)	=	50.80 kg
1 ton (= 2240 lb)	=	1016 kg = 1.016 metric tons (tonnes)
1 pint	=	0.5682 litre
1 gallon (gal) (= 8 pints)	=	4.546 litre
1 fluid ounce = 1/20 pint	=	0.02841 litre = 28.41 ml
1 cubic foot	=	28.32 litre

<i>To convert</i>	<i>Multiply by</i>
oz/acre to g/ha	70.06
lb/acre to kg/ha	1.121
cwt/acre to kg/ha	125.5
cwt/acre to tonnes/ha	0.1255
tons/acre to kg/ha	2511
tons/acre to tonnes/ha	2.511
gal/acre to litre/ha	11.23

CONVERSION SCALES



Factors for the Conversion of Metric to Imperial Units

1 centimetre (cm)	= 0.3937 inch (in.) = 0.03281 ft
1 metre (m)	= 1.094 yards (yd)
1 square metre (sq m)	= 1.196 square yards (sq yd)
1 hectare (ha)	= 2.471 acres
1 gram (g)	= 0.03527 ounce (oz)
1 kilogram (kg)	= 2.205 pounds (lb)
1 kg	= 0.01968 hundredweight (cwt) = 0.0009842 ton
1 metric ton (tonne)	= 0.9842 ton
1 litre	= 1.760 pints = 0.2200 gallon (gal)
1 litre = 1000 millilitres (ml)	= 35.20 fluid ounces = 0.03531 cubic foot

<i>To convert</i>	<i>Multiply by</i>
g/ha to oz/acre	0.01427
kg/ha to lb/acre	0.8921
kg/ha to cwt/acre	0.007966
tonnes/ha to cwt/acre	7.966
kg/ha to tons/acre	0.0003983
tonnes/ha to tons/acre	0.3983
litre/ha to gal/acre	0.08902

Temperatures

To convert °F into °C subtract 32 and multiply by $\frac{5}{9}$ (0.5556)

To convert °C into °F multiply by $\frac{9}{5}$ (1.8) and add 32

