

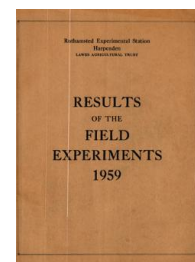
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Yields of the Field Experiments 1959

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59/E/2 Meteorological Readings - Woburn

Rothamsted Research

Rothamsted Research (1960) *59/E/2 Meteorological Readings - Woburn* ; Yields Of The Field Experiments 1959, pp 110 - 110 - DOI: <https://doi.org/10.23637/ERADOC-1-179>

ROTHAMSTED REPORT FOR 1977, PART 1

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 (yd ²) | = 0.8361 m ² |
| 1 acre (ac) (=4840 yd ²) | = 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) (t) |
| 1 pint | = 0.5682 litre (l) |
| 1 gallon (gal) (=8 pints) | = 4.546 litres |
| 1 fluid ounce = 1/20 pint | = 0.02841 litre = 28.41 ml |
| 1 cubic foot | = 28.32 litres |

| <i>To convert</i> | <i>Multiply by</i> |
|---------------------------------------------|--------------------|
| oz ac ⁻¹ to g ha ⁻¹ | 70.06 |
| lb ac ⁻¹ to kg ha ⁻¹ | 1.121 |
| cwt ac ⁻¹ to kg ha ⁻¹ | 125.5 |
| cwt ac ⁻¹ to t ha ⁻¹ | 0.1255 |
| ton ac ⁻¹ to kg ha ⁻¹ | 2511 |
| ton ac ⁻¹ to t ha ⁻¹ | 2.511 |
| gal ac ⁻¹ to l ha ⁻¹ | 11.233 |

The following factors are accurate to about 2 parts in 100:

$$1 \text{ lb ac}^{-1} = 1.1 \text{ kg ha}^{-1}$$

$$1 \text{ gal ac}^{-1} = 11 \text{ litres ha}^{-1}$$

$$1 \text{ ton ac}^{-1} = 2.5 \text{ t ha}^{-1}$$

In general reading of the text there will be no great inaccuracy in regarding:

$$1 \text{ lb} = 0.5 \text{ kg}$$

$$1 \text{ lb ac}^{-1} = 1 \text{ kg ha}^{-1}$$

Temperatures

To convert °F into °C subtract 32 and multiply by $\frac{5}{9}$ (0.556)

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