

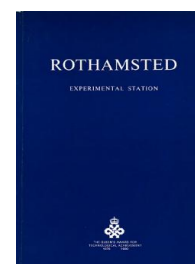
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# Rothamsted Experimental Station Guide

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## Conversion Factors

### Rothamsted Research

Rothamsted Research (1982) *Conversion Factors* ; Rothamsted Experimental Station Guide, pp 72 - 72 - DOI: <https://doi.org/10.23637/ERADOC-1-226>

### CASSETTE FILM LOOPS

4 minute, colour, Technicolor cassettes. Standard or Super 8 suitable for projectors such as the THD MacMillan or Technicolor.  
Price £15 each, complete with notes.

1. Weed Seed Survey—Techniques for assessment of seed dormancy using simple tools.
2. Scanning Electron Microscope—Preparation of specimens for, and operation of, the scanning electron microscope.
3. The Rothamsted Rhizobium Collection—Strains of nitrogen-fixing bacteria are preserved and kept in pure culture form.
4. The Ryegrass Mite—*Abacarus hystrix* is a vector of Ryegrass Mosaic Virus.
5. The Stem Nematode—*Ditylenchus dipsaci* is shown feeding.

### Conversion Factors etc

1 metric ton or tonne (t) = 1000 kilograms (kg) = 0.984 ton  
1 hectare (ha) = 10 000 square metres = 2.47 acres  
1 tonne hectare<sup>-1</sup> (t ha<sup>-1</sup>) = 0.398 tons acre<sup>-1</sup>  
= 7.97 cwt acre<sup>-1</sup>  
= 892 lb acre<sup>-1</sup>

### Old units

1 bushel (bu) = 36.4 litres  
1 quarter (qr) = 2 sacks = 8 bushels  
1 bu wheat weighs about 29 kg (63 lb)  
1 bu barley weighs about 25 kg (56 lb)  
1 bu oats weighs about 19 kg (42 lb)  
(1 British bushel = 1.03 US bushels)

### Nutrients

To convert	Multiply by
P <sub>2</sub> O <sub>5</sub> to P	0.436
K <sub>2</sub> O to K	0.830

100 kg ha<sup>-1</sup> = 89.2 lb acre<sup>-1</sup> = 0.797 cwt acre<sup>-1</sup> (i.e. 79.7 'units' acre<sup>-1</sup>)

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