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ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1966

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## Miscellaneous Data

### Rothamsted Research

Rothamsted Research (1967) *Miscellaneous Data* ; Yields Of The Field Experiments 1966, pp 305 - 306 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

METEOROLOGICAL RECORDS 1966 - WOBURN

(Departure from long period means in brackets)

Month	Total sunshine: hours	Mean temperature: °F		Grass minimum °F	Total rainfall: in 8 in. gauge	Rain(2) days
		Air(1)	In ground 1 ft.			
January	37 (-14.3)	35.7 (-2.0)	37.1	27.7	1.26 (-0.86)	18
February	36 (-30.2)	42.8 (+4.5)	41.8	36.2	2.99 (+1.39)	19
March	115 (-2.0)	42.9 (+1.0)	43.1	29.6	0.58 (-1.08)	12
April	90 (-51.6)	45.3 (-1.1)	45.4	36.3	3.31 (+1.45)	23
May	216 (+27.9)	51.0 (-1.1)	53.7	37.7	1.88 (-0.19)	12
June	199 (+3.4)	59.5 (+2.0)	59.8	47.6	4.30 (+2.42)	12
July	145 (-37.3)	58.3 (-2.7)	62.0	46.1	2.38 (+0.05)	17
August	187 (+10.5)	57.2 (-3.2)	61.1	47.1	3.84 (+1.38)	14
September	158 (+19.0)	56.7 (+0.2)	58.6	46.4	1.92 (-0.20)	8
October	85 (-18.4)	50.3 (+0.6)	53.7	39.7	4.38 (+2.14)	18
November	50 (-9.6)	40.9 (-2.2)	44.4	31.0	2.48 (+0.06)	25
December	37 (-7.5)	41.2 (+2.1)	41.4	31.0	3.29 (+1.10)	25
Year*	1355(-110.1)	48.5 (-0.1)	50.2	38.0	32.61 (+7.66)	203

66/E/1.2

(1) Mean of maximum and minimum.

(2) Number of days rainfall was 0.01 inches or more.

\* Mean or total.

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 <sup>2</sup> )	= 0.8361 m <sup>2</sup>
1 acre (ac) (=4840 yd <sup>2</sup> )	= 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 <sup>-1</sup> to g ha <sup>-1</sup>	70.06
lb ac <sup>-1</sup> to kg ha <sup>-1</sup>	1.121
cwt ac <sup>-1</sup> to kg ha <sup>-1</sup>	125.5
cwt ac <sup>-1</sup> to t ha <sup>-1</sup>	0.1255
ton ac <sup>-1</sup> to kg ha <sup>-1</sup>	2511
ton ac <sup>-1</sup> to t ha <sup>-1</sup>	2.511
gal ac <sup>-1</sup> to l ha <sup>-1</sup>	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