

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1997

[Full Table of Content](#)



97/W/RAS/1 Sulphur for Spring Oilseed Rape - S. Oilseed Rape

Rothamsted Research

Rothamsted Research (1998) *97/W/RAS/1 Sulphur for Spring Oilseed Rape - S. Oilseed Rape ; Yields Of The Field Experiments 1997*, pp 134 - 135 - DOI: <https://doi.org/10.23637/ERADOC-1-53>

97/W/RAS/1

SPRING OILSEED RAPE

SULPHUR FOR SPRING OILSEED RAPE

Object: To study the effects of rates of sulphur fertilizer on the yield and sulphur content of spring oilseed rape - Woburn, Stackyard I.

Sponsors: S.P. McGrath, F. Zhao.

Design: 5 randomised blocks of 5 plots.

Whole plot dimensions: 3.0 x 15.0.

Treatments:

SULPHUR	Sulphur as potassium sulphate (kg S):
S0	0 (duplicated)
S1	10
S2	20
S4	40

NOTE: Potassium chloride was applied to balance the potassium to supply 111 kg K₂O.

Experimental diary:

13-Nov-97 : B : Ploughed.
26-Mar-97 : B : Heavy spring-tine cultivated.
02-Apr-97 : B : 34.5% N at 290 kg.
18-Apr-97 : T : SULPHUR S1, S2, S4: Potassium sulphate at 56, 111, 222 kg respectively.
 : T : SULPHUR S0, S1, S2: Muriate of potash at 185, 138, 93 kg respectively.
 : B : Rotary harrowed, Starlight, dressed Lindex-Plus FS, drilled at 250 seeds per m².
02-Sep-97 : B : Combine harvested.

Previous crops: W. wheat 1995, w. rye 1996.

NOTE: Samples were taken on three occasions between green-bud and mid-flowering for analysis of sulphur, sulphate-S and glutathione.

97/W/RAS/1

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

***** Tables of means *****

SULPHUR

S0	1.97
S1	2.07
S2	2.01
S4	2.03

Mean	2.01
------	------

*** Standard errors of differences of means ***

SULPHUR

0.077	min.rep
0.066	max-min

SULPHUR

min.rep Any of the remainder

max-min S0 v any of the remainder

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	17	0.121	6.0

GRAIN MEAN DM% 88.7

PLOT AREA HARVESTED 0.00286