ROTHAMSTED RESEARCH

Yields of the Field Experiments 1995

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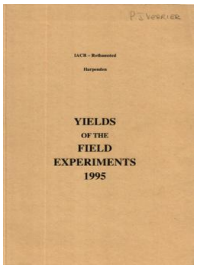

95/W/RAS/1 Sulphur for Spring Oilseed Rape - S. Oilseed Rape

Rothamsted Research

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95/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, Lansome II.

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

Design: 4 randomised blocks of 6 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
S8	80

NOTE: Potassium chloride was applied to balance the potassium to supply 222 kg K_2O.

Experimental diary:

24-Mar-95 : B : Heavy spring-tine cultivated.
03-Apr-95 : **T** : Potassium chloride applied.
: **T** : Sulphur treatments applied.
: B : Rotary harrowed, Starlight, dressed Lindex-Plus FS, drilled at 150 seeds per m^2.
28-Apr-95 : B : 34.5% N at 290 kg.
02-Jun-95 : B : Fastac at 100 ml in 300 l.
30-Jun-95 : B : Fastac at 200 ml in 300 l.
25-Aug-95 : B : Combine harvested.

Previous crops: W. wheat 1993, s. barley 1994.

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95/W/RAS/1

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

SULPHUR

S0	0.60
S1	0.49
S2	0.41
S4	0.46
S8	0.51
Mean	0.51

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

SULPHUR

0.066	min.rep
0.057	max-min

	SULPHUR
max-min	S0 v any of the remainder
min.rep	Any of the remainder

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	16	0.093	18.1

GRAIN MEAN DM% 77.5

PLOT AREA HARVESTED 0.00286

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