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00/R/LP/9 Sulphur and Lupins

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00/R/LP/9

LUPINS

SULPHUR AND LUPINS

Object: To determine the effect of foliar sulphur on pod retention by determinate lupin plants - Highfield IV /Road Piece East.

Sponsors: H.J. Stevenson, I.F. Shield, J.E. Leach, T. Scott.

Design: 3 blocks of 7 plots.

Whole plot dimensions: 6.0 x 9.0.

Treatments:

SULPHUR	Kg S:
-	None
S1	15
S2	30
S3	45
S4	60
S5	75
SR	8 on four occasions (total 32)

Experimental diary:

13-Aug-99 : B : : Ploughing started.
14-Aug-99 : B : : Ploughing completed.
13-Sep-99 : B : : Dursban 4 at 1.5 l in 200 l.
 : B : : Combination drilled, DTN 20, tr. iprodione and carbendazim, at 40 seeds/m² with the Accord drill.
14-Sep-99 : B : : Rolled.
15-Sep-99 : B : : Draza at 5.0 kg.
21-Sep-99 : B : : Stomp 400 SC at 5.0 l in 200 l.
14-Oct-99 : B : : Cyperkill 10 at 250 ml in 200 l.
12-Nov-99 : B : : tm)Alpha Simazine 50 SC at 2.3 l in 200 l.
 : B : : tm)Carbetamex at 3.0 kg in 200 l.
14-Apr-00 : T : S1,S2,S3,S4,S5,SR : Thiovit at 18.7, 37.4, 56.1, 74.8, 93.5 or 10.0 kg respectively in 1300 l.
28-Apr-00 : B : : tm)Bravo 500 at 1.5 l in 200 l.
 : B : : tm)Folicur at 0.5 l in 200 l.
10-May-00 : T : SR : Thiovit at 10 kg in 1300 l.
01-Jun-00 : T : SR : Thiovit at 10 kg in 1300 l.
20-Jun-00 : T : SR : Thiovit at 10 kg in 2600 l.
04-Jul-00 : B : : tm)Folicur at 0.5 l in 200 l.
 : B : : tm)Aphox at 280 g in 200 l.
 : B : : tm)Enhance Low Foam at 50 ml in 200 l.
14-Sep-00 : B : : Combine harvested.

Previous crops: W. wheat 1998, w. barley 1999.

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GRAIN TONNES/HECTARE

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

SULPHUR

-	3.69
S1	3.67
S2	3.76
S3	3.41
S4	3.63
S5	3.45
SR	3.49

Mean 3.59

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

SULPHUR

0.213

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.261	7.3
GRAIN MEAN DM%	56.9		
PLOT AREA HARVESTED	0.00216		