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RESEARCH

## Yields of the Field Experiments 1982

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### 82/R/BE/20 Pirimiphos-methyl and Stem Nematode - Spring Beans

#### Rothamsted Research

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82/R/BE/20

SPRING BEANS

PIRIMIPHOS-METHYL AND STEM NEMATODE

Object: To study the effects of three rates of pirimiphos-methyl applied as a seed dressing on the occurrence of stem nematode, Sitona weevils and on the yield of s. beans - Highfield 0 and E VI N.

Sponsors: A.G. Whitehead, J. McEwen, D.P. Yeoman.

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 2.03 x 2.13.

Treatments:

PIRIM SD	Pirimiphos-methyl seed dressing (g per tonne of seed):
0	
2	
4	
20	

NOTE: Seed was sown by hand in rows 51 cm apart, seed spaced 5 cm apart in the row.

Basal applications: None.

Seed: Minden.

Cultivations, etc.: - Ploughed: 17 Nov, 1981. Spring-tine cultivated, power harrowed, sown: 26 Mar, 1982. Hand hoed: 12 May, 1 June. Harvested by hand: 7 Sept. Previous crops: S. barley 1980, fallow 1981.

NOTE: Plant counts were made after establishment. Stem nematode symptoms were assessed during the season. Weevil damage was assessed in May.

82/R/BE/20

GRAIN TONNES/HECTARE

\*\*\*\*\* TABLES OF MEANS \*\*\*\*\*

PIRIM SD	0	2	4	20	MEAN
	5.83	6.06	4.98	5.02	5.47

\*\*\*\*\* STANDARD ERRORS OF DIFFERENCES OF MEANS \*\*\*\*\*

TABLE	PIRIM SD
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SED	0.560

\*\*\*\*\* STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION \*\*\*\*\*

STRATUM	DF	SE	CV%
BLOCK.WP	9	0.792	14.5

GRAIN MEAN DM% 83.3

PLOT AREA HARVESTED 0.00015