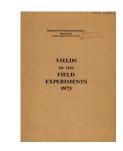
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Yields of the Field Experiments 1973



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Rothamsted Research

Rothamsted Research (1974) 73/R/BE/4 - Varieties & Viruses - Beans; Yields Of The Field Experiments 1973, pp 350 - 351 - DOI: https://doi.org/10.23637/ERADOC-1-98

73/R/2E/4

SPRING BEAMS

VARIETIES AND VIRUSES

Object: To study the opread and effects on yield of Broad Rean Stain and Broad Bear True Mosaic Virtues in different varieties of field beans - Great Knott II.

Sponsor: A.J. Cockhain.

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 6.40 x 15.2. Area harvested: 0.00488.

Treatments: Varieties

VARIETY

Hertz Freya Maria Bead Minden Minor

Freya Bead Minden Minor

Basal applications: Manures: Ground chalk at 7.5 tonnes, (0:20:20) at 1300 kg, Epsom salts at 900 kg in autumn. (0:14:28) at 400 kg, placement drilled. Weedkiller: Simazine at 0.84 kg in 220 l. Insecticide: Demeton-s-methyl at 0.25 kg in 370 l.

Seed: Sown at 220 kg.

Cultivations, etc.:- Autumn PK applied: 12-21 Sept, 1972. Epsom salts applied: 22 Sept. Chalk applied: 25 Sept. Ploughed: 22 Nov. Seed sown and Weedkiller applied: 23 Mar, 1973. Insecticide applied: 8 June. Combine harvested: 4 Sept. Previous crops: Winter wheat 1971, barley 1972.

NOTE: Incidence of viruses was assessed on 9, 25 May, 7, 29 June, 17 July. Adult weevil damage was assessed on 17 May. Seed samples were taken at harvest for assessment of virus infection.

Standard error per plot.
Grain, tonnes/hectare: 0.290 or 8.2% (9 d.f.)

73/R/BE/4

TABLES OF MEANS

GRAIN: TONNES/HECTARE

VARIETY

Freya	Bead	Minden	Minor	Mean
3.58	3.10	4.05	3.51	3.56

STANDARD ERROR OF DIFFERENCES

VARIETY

0.205

Mean D.M. % 80.5