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Yields of the Field Experiments 1982

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82/R/BE/13 Varieties - Spring Beans

Rothamsted Research

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82/R/BE/13

SPRING BEANS

VARIETIES

Object: To compare agronomic characters and yields of six varieties of s. beans - Long Hoos VI/VII 5.

Sponsors: J. McEwen, D.P. Yeoman.

Design: 4 randomised blocks of 6 plots.

Whole plot dimensions: 2.03 x 2.13.

Treatments:

VARIETY Varieties:

ALFRED
BLAZE
EXELLE
MINDEN
RED TICK
TIGER

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

Basal applications: Manures: Chalk at 2.9 t. Muriate of potash at 520 kg.
Weedkillers: Trietazine at 1.0 kg with simazine at 0.14 kg in 340 l.
Fungicides: Benomyl at 0.50 kg in 340 l; propiconazole at 0.12 kg in 340 l on two occasions. Insecticide: Permethrin at 62 g in 340 l applied twice.

Cultivations, etc.: - Muriate of potash applied: 12 Nov, 1981. Chalk applied: 27 Nov. Ploughed: 29 Jan, 1982. Spring-tine cultivated: 26 Mar. Spring-tine cultivated, power harrowed, seed sown: 29 Mar. Weedkillers applied: 14 Apr. Insecticide applied: 11 May, 26 May. Benomyl applied: 2 July. Propiconazole applied: 9 July, 13 Aug. Harvested by hand: 3 Sept. Previous crops: Potatoes 1980, fallow 1981.

NOTE: Plant counts were made after establishment. Components of yield were measured at maturity. N content of grain was measured.

82/R/BE/13

GRAIN TONNES/HECTARE

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

VARIETY	ALFRED	BLAZE	EXELLE	MINDEN	RED TICK	TIGER	MEAN
	5.43	5.73	5.47	5.60	4.80	5.50	5.42

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

TABLE	VARIETY
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SED	0.275

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

STRATUM	DF	SE	CV%
BLOCK.WP	15	0.389	7.2

GRAIN MEAN DM% 86.8

PLOT AREA HARVESTED 0.00015