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Yields of the Field Experiments 1978

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78/R/BE/8 Red Tick Lines - Beans

Rothamsted Research

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78/R/BE/8
 SPRING BEANS
 RED TICK LINES

Object: To compare agronomic characters and yields of several lines of red-seeded field beans with two standard white varieties - Garden Plot 15.

Sponsor: J. McEwen.

Design: 4 randomised blocks of 7 plots.

Whole plot dimensions: 2.03 x 2.13.

Treatments:

VARIETY	Varieties:
RT1-RT4	Four red-seeded lines selected at Rothamsted
RT B	Bulk seed from the four red-seeded lines
BLAZE	Maris Blaze (white-seeded)
MINDEN	Minden (white-seeded)

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

Basal applications: Manures: (0:14:28) at 720 kg. Chalk at 2.9 t. Weedkiller: Simazine at 0.84 kg in 340 l. Insecticide: Permethrin at 0.15 kg in 340 l on 2 occasions. Pirimicarb at 0.14 kg in 340 l.

Cultivations, etc.: - PK applied: 4 Oct, 1977. Ploughed: 24 Nov. Power harrowed, seed sown: 6 Apr, 1978. Weedkiller applied: 24 Apr. Permethrin applied: 17 May and 9 June. Pirimicarb applied: 5 July. Harvested by hand: 5 Oct. Previous crops: Potatoes 1976, barley 1977.

NOTE: Plant counts were made after establishment and again before harvest. Components of yield were measured at harvest. Nitrogen percentages of grain were measured.

GRAIN TONNES/HECTARE

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

VARIETY	RT1	RT2	RT3	RT4	RT B	BLAZE	MINDEN	MEAN
	6.25	5.22	6.57	5.83	6.37	7.12	6.62	6.28

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

TABLE	VARIETY
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SED	0.344

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

STRATUM	DF	SE	CV%
BLOCK.WP	18	0.487	7.7
GRAIN MEAN DM%	85.4		
PLOT AREA HARVESTED	0.00015		