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Yields of the Field Experiments 1980

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80/R/BE/12 Spring Beans Varieties

Rothamsted Research

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80/R/BE/12

SPRING BEANS

VARIETIES

Object: To compare agronomic characters and yields of two selections of red-seeded field beans and four white-seeded varieties - Long Hoos III 7.

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

Design: 4 randomised blocks of 6 plots.

Whole plot dimensions: 2.03 x 2.13.

Treatments:

VARIETY

Varieties:-

REDTICK1

Red tick 1

REDTICK3

Red tick 3

BLAZE

Maris Blaze (white-seeded)

HERRA

Herra (white-seeded)

MINDEN

Minden (white-seeded)

TOPLESS

Topless determinant (white-seeded ex P.B.I. Cambridge)

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

Basal applications: Weedkillers: Trietazine and simazine (as 'Remtal SC' at 3.0 l) in 340 l. Insecticides: Permethrin at 0.15 kg in 340 l. Pirimicarb at 0.14 kg in 340 l.

Cultivations, etc.:- Ploughed: 14 Nov, 1979. Spring-tine cultivated: 7 Apr, 1980. Power harrowed, seed sown: 8 Apr. Weedkillers applied: 15 Apr. Permethrin applied: 23 May. Pirimicarb applied: 11 July. Harvested by hand: 6 Oct. Previous crops: Potatoes 1978, s. barley 1979.

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

GRAIN TONNES/HECTARE

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

VARIETY	REDTICK1	REDTICK3	BLAZE	HERRA	MINDEN	TOPLESS	MEAN
	4.19	4.19	5.09	4.24	4.34	2.57	4.10

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

TABLE	VARIETY
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SED	0.302

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

STRATUM	DF	SE	CV%
BLOCK.WP	15	0.427	10.4

GRAIN MEAN DM%	89.8	PLOT AREA HARVESTED	0.00015
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