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Yields of the Field Experiments 1984

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84/R/BE/7 Varieties - W. Beans

Rothamsted Research

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84/R/BE/7

WINTER BEANS

VARIETIES

Object: To compare agronomic characters and yields of four varieties of w. beans - Long Hoos V 6.

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

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 2.03 x 2.13.

Treatments:

VARIETY	Varieties:
BANNER	Banner
BEAGLE	Maris Beagle
BULLDOG	Bulldog
THROWS	Throws MS

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. Weedkillers: Trietazine at 1.2 kg with simazine at 0.17 kg, and paraquat at 0.28 kg ion in 340 l. Fungicides: Benomyl at 0.56 kg on three occasions, the first in 220 l, the second with the permethrin in 220 l and the third with the chlorothalonil in 340 l. Chlorothalonil at 0.98 kg, in 340 l on the first occasion, with the benomyl on the second. Propiconazole at 0.12 kg in 220 l. Insecticide: Permethrin at 0.14 kg with the benomyl.

Cultivations, etc.: - Ploughed: 29 July, 1983. Chalk applied: 25 Aug. Power harrowed, seed sown: 27 Sept. Weedkillers applied: 28 Sept. Benomyl applied: 14 Mar, 1984. Benomyl with permethrin applied: 13 Apr. Chlorothalonil applied: 25 May. Chlorothalonil with benomyl applied: 27 June. Propiconazole applied: 4 July. Harvested by hand: 22 Aug. Previous crops: Potatoes 1982, fallow 1983.

NOTES: (1) Plant counts were made after establishment. Components of yield were measured at maturity. N content of grain was measured.
(2) An examination of the results showed a fertility trend. The yields presented have been adjusted for this trend.

84/R/BE/7

GRAIN TONNES/HECTARE

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

VARIETY	BANNER	BEAGLE	BULLDOG	THROWS	MEAN
	5.35	5.41	4.88	4.60	5.06

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

TABLE	VARIETY
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SED	0.144

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

STRATUM	DF	SE	CV%
BLOCK.WP	8	0.201	4.0

GRAIN MEAN DM% 88.5

PLOT AREA HARVESTED 0.00015