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# Yields of the Field Experiments 1983

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## 83/R/BE/6 Varieties - W. Beans

### Rothamsted Research

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83/R/BE/6

WINTER BEANS

VARIETIES

Object: To compare agronomic characters and yields of four varieties of w. beans - Long Hoos IV 5.

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. Muriate of potash at 520 kg. Weedkillers: Trietazine at 1.0 kg with simazine at 0.14 kg in 340 l. Fungicides: Benomyl at 0.56 kg in 340 l on two occasions, with pirimicarb on the second, propiconazole at 0.12 kg in 340 l with pirimicarb. Insecticides: Permethrin at 0.15 kg in 340 l on two occasions; pirimicarb at 0.14 kg on two occasions with the fungicides.

Cultivations, etc.: - Muriate of potash applied: 16 Sept, 1982. Chalk applied: 30 Sept. Ploughed: 11 Oct. Power harrowed, seed sown: 29 Oct. Weedkillers applied: 11 Nov. Permethrin applied: 4 and 20 May, 1983. Benomyl applied: 23 May and 1 July. Propiconazole applied: 12 July. Pirimicarb applied: 1 and 12 July. Harvested by hand: 11 Aug. Previous crops: Potatoes 1981, s. barley 1982.

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

83/R/BE/6

GRAIN TONNES/HECTARE

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

VARIETY	BANNER	BEAGLE	BULLDOG	THROWS	MEAN
	5.42	5.54	5.02	5.32	5.33

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

TABLE	VARIETY
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SED	0.427

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

STRATUM	DF	SE	CV%
BLOCK.WP	9	0.603	11.3

GRAIN MEAN DM% 88.4

PLOT AREA HARVESTED 0.00015