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# Yields of the Field Experiments 1985

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## 85/R/BE/9 Varieties - S. Beans

### Rothamsted Research

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85/R/BE/9

SPRING BEANS

VARIETIES

Object: To compare agronomic characters and yields of four varieties of s. beans - Long Hoos VI/VII 4.

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

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 2.03 x 2.13.

Treatments:

VARIETY Varieties:

ALFRED  
MINDEN  
TICOL  
TROY

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 0.40 kg ion in 220 l. Fungicides: Benomyl at 0.55 kg in 220 l; propiconazole at 0.12 kg in 220 l on two occasions. Insecticides: Deltamethrin at 0.0075 kg in 220 l on two occasions; pirimicarb at 0.14 kg in 220 l.

Cultivations, etc.: Chalk applied: 12 Sept, 1984. Ploughed: 12 Nov. Spring-tine cultivated, seed sown: 14 Mar, 1985. Weedkillers applied: 18 Mar. Deltamethrin applied: 2 May, 23 May. Pirimicarb applied: 1 July. Benomyl applied: 2 July. Propiconazole applied: 17 July, 22 Aug. Harvested by hand, ALFRED & TROY: 11 Sept; MINDEN & TICOL: 16 Sept. Previous crops: W. wheat 1983 & 1984.

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

85/R/BE/9

GRAIN TONNES/HECTARE

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

VARIETY	ALFRED	MINDEN	TICOL	TROY	MEAN
	5.78	5.91	4.39	5.11	5.30

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

TABLE	VARIETY
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SED	0.193

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

STRATUM	DF	SE	CV%
BLOCK.WP	9	0.274	5.2

GRAIN MEAN DM% 86.5

PLOT AREA HARVESTED 0.00015