

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1982

[Full Table of Content](#)



## 82/R/BE/9 Precision Sowing - Spring Beans

### Rothamsted Research

Rothamsted Research (1983) *82/R/BE/9 Precision Sowing - Spring Beans* ; Yields Of The Field Experiments 1982, pp 294 - 295 - DOI: <https://doi.org/10.23637/ERADOC-1-33>

82/R/BE/9

SPRING BEANS

PRECISION SOWING

Object: To study the effects of precision sowing and four seed rates on the yield of s. beans - W. Barnfield I.

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

Design: 3 blocks of 8 plots, randomisation restricted.

Whole plot dimensions: 2.84 x 8.23.

Treatments: All combinations of:-

1. DRILL Drills:

STANDARD	Standard farm drill sowing seed irregularly
PRECISN	Precision drill (Nodet Gougis) sowing seed evenly spaced

2. POPULATN Plant populations (thousands per hectare):

	Target population	Populations achieved	
		STANDARD	PRECISN
3	300	299	306
4	400	391	376
5	500	506	458
6	600	588	511

NOTE: Seed was sown in rows spaced 36 cm (14 inches) apart.

Basal applications: Weedkillers: Trietazine at 1.0 kg with simazine at 0.14 kg in 250 l.

Seed: Minden.

Cultivations, etc.:- Discd: 24 Sept, 1981. Ploughed: 29 Jan, 1982.  
Spring-tine cultivated: 23 and 24 Mar. Seed sown: 25 Mar. Weedkillers applied: 27 Mar. Combine harvested: 2 Sept. Previous crops: S. barley 1980 and 1981.

NOTE: Establishment counts were made. Components of yield were measured at maturity.

82/R/BE/9

GRAIN TONNES/HECTARE

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

POPULATN	3	4	5	6	MEAN
DRILL					
STANDARD	3.74	3.77	3.74	3.96	3.80
PRECISN	3.89	3.60	3.85	4.09	3.86
MEAN	3.82	3.69	3.79	4.02	3.83

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

TABLE	DRILL	POPULATN	DRILL POPULATN
-----			
SED	0.097	0.137	0.193

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

STRATUM	DF	SE	CV%
BLOCK.WP	14	0.237	6.2

GRAIN MEAN DM% 81.7

PLOT AREA HARVESTED 0.00176