

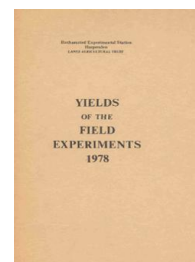
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1978

[Full Table of Content](#)



78/R/BE/1 Control of Chocolate Spot - Beans

Rothamsted Research

Rothamsted Research (1979) *78/R/BE/1 Control of Chocolate Spot - Beans* ; Yields Of The Field Experiments 1978, pp 408 - 409 - DOI: <https://doi.org/10.23637/ERADOC-1-30>

78/R/BE/1

WINTER BEANS

CONTROL OF CHOCOLATE SPOT

Object: To study the effects of irrigation and benomyl on Chocolate Spot (*Botrytis* spp.) and yield of winter beans - Long Hoos I/II.

Sponsors: A. Bainbridge, M.E. Finney.

Design: 2 blocks, each a 4 x 4 Latin square (with IRRIGTN on blocks)

Whole plot dimensions: 4.27 x 9.14.

Treatments: All combinations of:-

Blocks

1. IRRIGTN	Irrigation:
NONE	None
FULL	Full (72.5 mm)

Plots

2. BENOMYL	Frequency of applying benomyl (at 0.56 kg in 340 l on each occasion):-
0+0+0+0	Never
0+1+1+0	Twice, on 26 May, 1978 and 16 June
0+1+1+1	Three times, on 26 May, 16 June, 18 July
1+1+1+1	Four times, on 28 Apr, 26 May, 16 June, 18 July

NOTE: IRRIGTN FULL plots were given 12.5 mm of irrigation on each of the following dates: 29 May, 31 May, 14 June, 19 June, 17 July and 10 mm on 25 July.

Basal applications: Manures: Chalk at 7.5 t.

Seed: Throws MS sown at 250 kg.

Cultivations, etc.: - Ploughed: 20 Sept, 1977. Rolled: 3 Oct. Chalk applied: 11 Oct. Heavy spring-tine cultivated: 12 Oct. Rotary harrowed: 13 Oct. Seed sown: 14 Oct. Combine harvested: 19 Sept. Previous crops: Wheat 1976, barley 1977.

NOTE: Counts were made of seedling emergence, percentage leaf area affected by *Botrytis* spp, stems per row, and pods per stem.

78/R/BE/1

GRAIN TONNES/HECTARE

IRRIGATN NONE

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

BENOMYL	0+0+0+0	0+1+1+0	0+1+1+1	1+1+1+1	MEAN
	5.82	6.13	6.61	6.74	6.33

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

TABLE	BENOMYL
-----	-----
SED	0.123

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

STRATUM	DF	SE	CV%
ROW.COLUMN	6	0.174	2.8

GRAIN TONNES/HECTARE

IRRIGATN FULL

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

BENOMYL	0+0+0+0	0+1+1+0	0+1+1+1	1+1+1+1	MEAN
	4.65	5.13	5.55	5.82	5.29

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

TABLE	BENOMYL
-----	-----
SED	0.549

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

STRATUM	DF	SE	CV%
ROW.COLUMN	6	0.776	14.7

GRAIN MEAN DM% 84.0

PLOT AREA HARVESTED 0.00279