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Yields of the Field Experiments 1975

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75/ R/BH/2 - Fungicides & Botrytis - Beans

Rothamsted Research

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75/R/BE/2

WINTER BEANS

FUNGICIDES AND BOTRYTIS

Object: To study the effect of a range of fungicides on control of Botrytis and yield of winter beans - Long Hoos IV 5.

Sponsor: A. Bainbridge.

Design: 3 blocks of 7 plots.

Whole plot dimensions: 2.67 x 3.05.

Treatments: Fungicides (applied twice at dates determined by Botrytis attack):-

	FUNGICIDE
None	NONE
Benomyl at 0.56 kg	BENOMYL
'RP 26019' at 0.56 kg a.i.	RP 26019
Thiophanate methyl at 1.12 kg	THIOPHAN
'BASF 35200' at 0.56 kg a.i.	BASF
Carbendazim at 0.56 kg	CARBENDA
Captafol at 1.3 kg	CAPTAFOL

NOTE: Fungicides were applied in 340 l on 9 May, 10 June.

Basal applications: Manures: (0:14:28) at 820 kg.

Seed: Throws M.S., sown at 380 kg.

Cultivations, etc.:- Ploughed: 25 Sept, 1974. PK applied: 1 Oct.
Spring-tine cultivated: 14 Oct. Power harrowed: 27 Nov. Seed sown: 28 Nov. Combine harvested: 12 Aug, 1975. Previous crops: Potatoes 1973, mixed cereals 1974.

NOTE: Assessments were made at fortnightly intervals of Chocolate Spot (*Botrytis fabae*).

75/R/BE/2

*** TABLES OF MEANS ***

GRAIN TONNES/HECTARE

FUNGCIDE	NONE	BENOMYL	RP 26019	THIOPHAN	BASF	CARBENDA	CAPTAFOL	MEAN
	4.09	4.21	4.04	3.93	3.64	3.88	3.52	3.90

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

TABLE	FUNGCIDE

SED	0.376

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

STRATUM	DF	SE	CV%
BLOCK.WP	12	0.460	11.8

GRAIN MEAN DM% 88.6

PLOT AREA HARVESTED 0.00049