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# Yields of the Field Experiments 1975

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

### Rothamsted Research

Rothamsted Research (1976) 75/ R/BH/2 - *Fungicides & Botrytis - Beans* ; Yields Of The Field Experiments 1975, pp 342 - 343 - DOI: <https://doi.org/10.23637/ERADOC-1-141>

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 1 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*).

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\*\*\* 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