Yields of the Field Experiments 1975
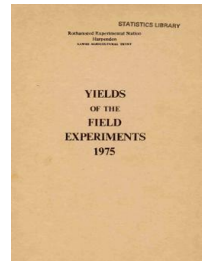
75/ R/BH/2 - Fungicides & Botrytis - Beans

Rothamsted Research

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):-   FUNGCIDE

            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).

342

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

343