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## Yields of the Field Experiments 1978

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### 78/R/RA/1 Foliar Fungicides - Oilseed Rape

#### Rothamsted Research

Rothamsted Research (1979) *78/R/RA/1 Foliar Fungicides - Oilseed Rape* ; Yields Of The Field Experiments 1978, pp 428 - 429 - DOI: <https://doi.org/10.23637/ERADOC-1-30>

78/R/RA/1

WINTER OILSEED RAPE

FOLIAR FUNGICIDES

Object: To study the effects of two fungicides, applied as foliar sprays, on the incidence of foliar diseases and on the yield of winter oilseed rape - Gt. Field I.

Sponsor: C.J. Rawlinson.

Design: 4 randomised blocks of 6 plots.

Whole plot dimensions: 8.53 x 4.27.

Treatments:

FUNGICIDE	Fungicides (kg) and frequency of application:
NONE	None (duplicated)
BEN 1	Benomyl foliar spray at 1.1 kg applied early
BEN 2	Benomyl foliar spray at 1.1 kg applied early and late
TRI 1	Triadimefon foliar spray at 0.25 kg applied early
TRI 2	Triadimefon foliar spray at 0.25 kg applied early and late

NOTE: Fungicide treatments were applied on 5 Oct, 1977 and 18 Jan, 1978 in 340 l.

Basal applications: Manures: (10:24:24) at 310 kg, 'Nitro-Chalk 25' at 800 kg.  
Weedkillers: Dalapon at 0.95 kg with propyzamide at 0.56 kg in 220 l.  
Haulm desiccant: Diquat at 0.69 kg ion plus 'Agral' (a wetting agent) at 0.3 l in 220 l.

Seed: Self-sown Victor.

Cultivations, etc.: - NPK applied: 30 Aug, 1977. Weedkillers applied: 23 Sept.  
N applied: 7 Mar, 1978. Haulm desiccant applied: 4 Aug. Combine harvested: 11 Aug. Previous crops: Oilseed rape 1976 & 1977.

NOTES: (1) Disease assessments were made in October and November 1977 and in January, May and June 1978.  
(2) Spores were trapped and counted weekly from September 1977 to August 1978.

78/R/RA/1

GRAIN TONNES/HECTARE

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

FUNGCIDE	NONE	BEN 1	BEN 2	TRI 1	TRI 2	MEAN
	0.43	0.48	0.58	0.43	0.50	0.48

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

TABLE	FUNGCIDE
SED	0.093 MIN REP 0.081 MAX-MIN

	FUNGCIDE
MAX-MIN	NONE V ANY OF REMAINDER
MIN REP	ANY OF REMAINDER

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

STRATUM	DF	SE	CV%
BLOCK.WP	16	0.132	27.6

GRAIN MEAN DM% 80.8

PLOT AREA HARVESTED 0.00260