

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/RA/2 Seed Dressings and Foliar Fungicides - Oilseed Rape

Rothamsted Research

Rothamsted Research (1979) *78/R/RA/2 Seed Dressings and Foliar Fungicides - Oilseed Rape* ; Yields Of The Field Experiments 1978, pp 430 - 431 - DOI: <https://doi.org/10.23637/ERADOC-1-30>

78/R/RA/2

WINTER OILSEED RAPE

SEED DRESSINGS AND FOLIAR FUNGICIDES

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

Sponsor: C.J. Rawlinson.

Design: 2 randomised blocks of 3 plots split into 4.

Whole plot dimensions: 4.27 x 33.2.

Treatments: All combinations of:-

Whole plots

1. SEEDRESS	Seed dressings:
NONE	None
BENOMYL	Benomyl at 5 g per kg seed
TRIADIM	Triadimefon at 2 g per kg seed

Sub plots

2. FOLSPRAY	Foliar sprays:
NONE	None (duplicated)
BENOMYL	Benomyl at 1.12 kg
TRIADIM	Triadimefon at 0.25 kg

NOTE: Foliar sprays were applied on 28 April, 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 340 l.
Haulm desiccant: Diquat at 0.69 kg ion plus 'Agral' (a wetting agent) at 0.3 l in 220 l.

Seed: Primor, sown at 9 kg.

Cultivations, etc.: - Straw burnt: 5 Sept, 1977. Deep-tine cultivated twice, rotary harrowed: 6 Sept. NPK applied: 12 Sept. Seed sown, harrowed in and rolled: 15 Sept. Weedkiller applied: 28 Nov. N applied: 7 Mar, 1978. Desiccant applied: 4 Aug. Combine harvested: 11 Aug. Previous crops: Barley 1976 and 1977.

NOTE: Plots were scored for plant vigour, emergence, disease incidence and plant density at intervals during the growing season.

78/R/RA/2

GRAIN TONNES/HECTARE

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

FOLSPRAY SEEDRESS	NONE	BENOMYL	TRIADIM	MEAN
NONE	2.04	2.28	1.89	2.06
BENOMYL	2.00	2.22	2.04	2.07
TRIADIM	2.43	2.88	2.20	2.49
MEAN	2.16	2.46	2.04	2.21

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

TABLE	FOLSPRAY	SEEDRESS* FOLSPRAY	
SED	0.292	0.505	MIN REP
	0.253	0.437	MAX-MIN

* WITHIN SAME LEVEL OF SEEDRESS ONLY
 FOLSPRAY
 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.SP	12	0.505	22.9
GRAIN MEAN DM%	75.5		
SUB PLOT AREA HARVESTED	0.00232		