

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 1983

[Full Table of Content](#)



## 83/R/RA/4 Control of Pests and Diseases - W. Oilseed Rape

### Rothamsted Research

Rothamsted Research (1984) *83/R/RA/4 Control of Pests and Diseases - W. Oilseed Rape* ; Yields Of The Field Experiments 1983, pp 312 - 313 - DOI: <https://doi.org/10.23637/ERADOC-1-44>

83/R/RA/4

WINTER OILSEED RAPE

CONTROL OF PESTS AND DISEASES

Object: To study the effects of carbofuran, cypermethrin, benomyl and triazophos on the incidence of pests and diseases and on the yield of w. oilseed rape - Bones Close.

Sponsors: R.J. Tuppen (MAFF), G.J.W. Dean, I.H. Williams, C.J. Rawlinson.

Design: 4 randomised blocks of 6 plots.

Whole plot dimensions: 4.0 x 20.0.

Treatments: All combinations of:-

1. INSCTCDE            Insecticides:

NONE	None
CARBOFUR	Carbofuran at 2.5 kg as granules on 3 Sept, 1982
CYPERMET	Cypermethrin at 0.035 l in 500 l on 3 June, 1983

2. FUNG INS            Fungicide and additional insecticide:

NONE	None
BEN+TRI	Benomyl at 0.50 kg on 15 Nov, 1982, and triazophos on 8 June, 1983

NOTE: 'Actipron', a wetting agent, was applied at 2.5 l with the benomyl.

Basal applications: Manures: (5:14:30) at 450 kg. 'Nitro-Chalk' at 500 kg followed by 450 kg. Weedkillers: Paraquat at 0.70 kg ion in 250 l. Diquat at 0.60 kg ion applied with 'Agral', a wetting agent, at 0.5 l in 500 l. Propyzamide and 3,6 - dichloropicolinic acid (as 'Matri-Kerb' at 1.63 kg) in 250 l.

Seed: Jet Neuf, dressed thiram and thiabendazole, sown at 7.8 kg.

Cultivations, etc.:- Paraquat applied: 23 Aug, 1982. Discd: 29 Aug. NPK applied, seed sown: 31 Aug. 'Matri-Kerb' applied: 9 Nov. First N applied: 23 Feb, 1983. Second N applied: 28 Mar. Diquat applied: 22 July. Combine harvested: 28 July. Previous crops: W. wheat 1981, w. wheat and w. barley 1982.

NOTE: Light leaf spot was assessed in early spring, May and June.

83/R/RA/4

GRAIN TONNES/HECTARE

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

FUNG INS INSCDCDE	NONE	BEN+TRI	MEAN
NONE	3.17	3.39	3.28
CARBOFUR	3.11	3.53	3.32
CYPERMET	2.91	3.51	3.21
MEAN	3.06	3.47	3.27

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

TABLE	INSCDCDE	FUNG INS	INSCDCDE FUNG INS
SED	0.219	0.179	0.310

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

STRATUM	DF	SE	CV%
BLOCK.WP	15	0.439	13.4
GRAIN MEAN DM%	85.6		
PLOT AREA HARVESTED	0.00640		