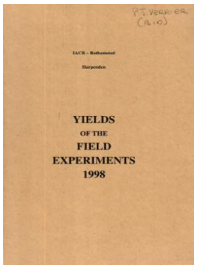
This work is licensed under a Creative Commons Attribution 4.0 International License.

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 readible, or you suspect there are some problems, please let us know and we will correct that.

Yields of the Field Experiments 1998

Full Table of Content



98/R/RAW/5 Stem Canker Study - W. Oilseed Rape

Rothamsted Research

Rothamsted Research (1999) *98/R/RAW/5 Stem Canker Study - W. Oilseed Rape ;* Yields Of The Field Experiments 1998, pp 145 - 146 **- DOI: https://doi.org/10.23637/ERADOC-1-52**

This work is licensed under a Creative Commons Attribution 4.0 International License.

98/R/RAW/5

WINTER OILSEED RAPE

STEM CANKER STUDY

Object: To test fungicidal spray programmes on two varieties of oilseed rape - Highfield V.

Sponsors: B.D.L. Fitt, J.E. Biddulph, J.S. West, R.H. Williams.

Design: 4 blocks of 5 plots split into 2 sub-plots.

Whole plot dimensions: 3.0 x 15.0.

Treatments:

1. **FUNGCIDE** — Difenoconazole and carbendazim (as Plover 250 EC at 0.5 l and Campbell's Carbendazim 50% Flowable at 0.5 l):

-	None
S-F	Applied on five occasions
O-F	Applied on four occasions
N-F	Applied on three occasions
A	Applied on three occasions

2. **CULTIVAR**

C	Capitol
L	Lipton

Experimental diary:

25-Jul-97 : B : Disced.
14-Aug-97 : B : Ploughed and furrow pressed.
26-Aug-97 : **T** : Rotary harrowed, cultivars, undressed, drilled at 120 seeds per m^2. Rolled
17-Sep-97 : B : Butisan S at 1.5 l with Cyperkill 10 at 250 ml in 200 l.
24-Sep-97 : **T** : **FUNGCIDE** S-F: Fungicides applied in 200 l.
23-Oct-97 : **T** : **FUNGCIDE** S-F, O-F, A: Fungicides applied in 260 l.
07-Nov-97 : B : Cyperkill 10 at 250 ml in 200 l.
13-Nov-97 : **T** : **FUNGCIDE** A: Fungicides applied in 200 l.
26-Nov-97 : **T** : **FUNGCIDE** S-F, O-F, N-F: Fungicides applied in 200 l.
16-Jan-98 : **T** : **FUNGCIDE** S-F, O-F, N-F: Fungicides applied in 200 l.
04-Feb-98 : B : 34.5% N at 290 kg.
19-Feb-98 : B : Laser at 0.75 l with Chiltern Cropoil at 1.0 l in 100 l.
24-Feb-98 : **T** : **FUNGCIDE** S-F, O-F, N-F, A: Fungicides applied in 200 l.
02-Mar-98 : B : 34.5% N at 350 kg.
05-May-98 : B : Fastac at 200 ml in 200 l.
10-Jul-98 : B : Reglone at 3.0 l with Headland Enhance LF at 400 ml in 400 l.
19-Jul-98 : B : Combine harvested.

Previous crops W. wheat and barley 1996, w. barley 1997.

https://doi.org/10.23637/ERADOC-1-52

This work is licensed under a Creative Commons Attribution 4.0 International License.

98/R/RAW/5

NOTE: Plant samples were taken regularly through the growing season for disease assessments. Harvested grain was analysed for oil content.

GRAIN TONNES/HECTARE

***** Tables of means *****

CULTIVAR	C	L	Mean
FUNGCIDE			
-	1.78	2.30	2.04
S-F	2.53	2.92	2.72
O-F	2.55	2.77	2.66
N-F	2.53	3.14	2.84
A	2.86	2.44	2.65
Mean	2.45	2.71	2.58

*** Standard errors of differences of means ***

FUNGCIDE	**CULTIVAR**	**FUNGCIDE CULTIVAR**
0.189	0.107	0.254

Except when comparing means with the same level(s) of
FUNGCIDE 0.239

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.268	10.4
BLOCK.WP.SP	15	0.338	13.1

GRAIN MEAN DM% 83.1

SUB-PLOT AREA HARVESTED 0.00156

https://doi.org/10.23637/ERADOC-1-52