

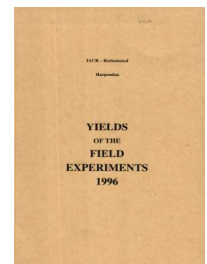
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96/R/RAW/5 Disease Control - W. Oilseed Rape

Rothamsted Research

Rothamsted Research (1997) *96/R/RAW/5 Disease Control - W. Oilseed Rape* ; Yields Of The Field Experiments 1996, pp 120 - 121 - DOI: <https://doi.org/10.23637/ERADOC-1-51>

96/R/RAW/5

WINTER OILSEED RAPE

DISEASE CONTROL

Object: To compare standard and forecast fungicidal spray programmes for control of light leaf spot and canker in w. oilseed rape - Great Knott II.

Sponsors: B.D.L. Fitt, S. Mitchell.

Design: 4 randomised blocks of 6 plots.

Whole plot dimensions: 3.0 x 20.0.

Treatments:

FUNGICIDE	Fungicide rate and timing:	Fungicide rate and timing:		
		Autumn	Winter	Spring
-	None (duplicated)	-	-	-
S3	Standard	0.5	0.5	0.5
S2	Standard	1.0	-	0.5
F3	Forecast	0.5	0.5	0.5
F2	Forecast	1.0	-	0.5

NOTE: 1.0 = Full rate, 0.5 = Half rate.

Experimental diary:

05-Aug-95 : B : PK as (0:20:32) at 1407 kg.
 07-Aug-95 : B : Ploughed and furrow pressed.
 04-Sep-95 : B : Irrigated 20 mm.
 05-Sep-95 : B : Rotary harrowed, Envol, dressed Lindex-Plus FS, drilled at 120 seeds per m².
 02-Oct-95 : B : Butisan S at 1.5 l with Cyperkill 10 at 250 ml and Agral at 200 ml in 200 l.
 12-Oct-95 : B : Draza at 5.5 kg.
 07-Nov-95 : T : FUNGICIDE S3: Folicur at 0.5 l in 220 l.
 : T : FUNGICIDE S2: Folicur at 1.0 l in 220 l.
 10-Jan-96 : T : FUNGICIDE F3: Folicur at 0.5 l in 220 l.
 : T : FUNGICIDE F2: Folicur at 1.0 l in 220 l.
 27-Feb-96 : T : FUNGICIDE S3, F3: Folicur at 0.5 l in 220 l.
 29-Feb-96 : B : 34.5% N at 174 kg.
 02-Apr-96 : T : FUNGICIDE S3, S2, F3, F2: Folicur at 0.5 l in 220 l.
 09-Apr-96 : B : 34.5% N at 348 kg.
 25-Apr-96 : B : Fastac at 200 ml in 200 l.
 19-Jul-96 : B : Standon Diquat at 3.0 l with Vassgro Spreader at 390 ml in 390 l.
 30-Jul-96 : B : Combine harvested.

Previous crops: W. wheat 1994, set-aside 1995.

NOTE: Plant samples were taken regularly to assess the incidence and severity of diseases on leaves, stems and pods.

96/R/RAW/5

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGCIDE

-	3.92
S3	4.12
S2	4.36
F3	4.16
F2	4.18
Mean	4.11

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

FUNGCIDE

0.142	min.rep
0.123	max-min

FUNGCIDE

min.rep	Any of the remainder
max-min	- v any of the remainder

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	16	0.200	4.9

GRAIN MEAN DM% 89.5

PLOT AREA HARVESTED 0.00391