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# Yields of the Field Experiments 1995



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# 95/R/RAW/8 Varieties and Diseases - W. Oilseed Rape

### **Rothamsted Research**

Rothamsted Research (1996) 95/R/RAW/8 Varieties and Diseases - W. Oilseed Rape; Yields Of The Field Experiments 1995, pp 117 - 118 - DOI: https://doi.org/10.23637/ERADOC-1-50

#### 95/R/RAW/8

#### WINTER OILSEED RAPE

#### VARIETIES AND DISEASES

Object: To study the effects of disease on growth, yield and seed quality of winter oilseed rape - Highfield IV/Road Piece E.

Sponsors: K.J. Doughty, H.A. McCartney.

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

Whole plot dimensions:  $6.0 \times 10.0$ .

#### Treatments:

Whole plots

1. INOCFUNG Inoculation and fungicide:

Inoculated with diseased straw in autumn T

F Fungicide sprays in autumn, spring and summer

Sub-plots

#### 2. VARIETY

CA Capricorn FA Falcon

#### Experimental diary:

27-Jul-94 : B : Dolomite at 5.0 t.

01-Aug-94 : B : Ploughed and furrow pressed.

24-Aug-94 : B : Spring-tine cultivated.

: T : VARIETY CA: Rotary harrowed, Capricorn, dressed Lindex-

Plus FS, drilled at 120 seeds per m2.

: T : VARIETY FA: Rotary harrowed, Falcon, dressed Lindex-Plus FS, drilled at 120 seeds per m2.

26-Aug-94 : B : Rolled.

20-Sep-94 : B : Draza at 5.5 kg.

24-Oct-94 : T : INOCFUNG I: Straw inoculum applied at 1 bale per 60 m2.

02-Nov-94 : B : Butisan S at 2.5 1 in 260 1.

: B : Fusilade 5 at 1.0 l with Vassgro Spreader at 260 ml in 260 1.

: T : INOCFUNG F: Sportak 45 at 1.1 1 in 200 1.

22-Feb-95 : B : 34.5% N at 174 kg.

21-Mar-95 : B : 34.5% N at 348 kg.

11-Apr-95 : T : INOCFUNG F: Barclay Eyetak at 1.1 l in 200 l.

19-Jun-95 : T : INOCFUNG F: Rovral Flo at 3.0 1 in 400 1.

24-Jul-95 : B : Stefes Diquat at 3.0 l with Vassgro Spreader at 300 ml in 300 1.

28-Jul-95 : B : Combine harvested.

Previous crops: W. barley 1993, set-aside 1994.

#### 95/R/RAW/8

NOTE: Seed was analysed for quality and ease of processing.

## GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

VARIETY	CA	FA	Mean	
INOCFUNG				
I	2.71	3.23	2.97	
F	3.63	3.55	3.59	
Mean	3.17	3.39	3 28	

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

	INOCFUNG		VARIETY		INOCFUNG VARIETY		
		0.289		0.14	17	0.324	
Except INOCFT	comparing	means	with	the	same	level(s) 0.207	of

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

Stratum d.f. s.e. cv%

BLOCK.WP.SP 6 0.293 8.9

GRAIN MEAN DM% 79.0

SUB PLOT AREA HARVESTED 0.00230