

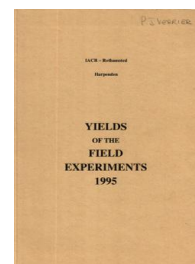
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95/R/RAW/8 Varieties and Diseases - W. Oilseed Rape

Rothamsted Research

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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 x 10.0.

Treatments:

Whole plots

1. **INOCFUNG** Inoculation and fungicide:

I	Inoculated with diseased straw in autumn
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-time 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 l in 260 l.
 : B : Fusilade 5 at 1.0 l with Vassgro Spreader at 260 ml in 260 l.
 : T : **INOCFUNG** F: Sportak 45 at 1.1 l in 200 l.
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 l in 400 l.
24-Jul-95 : B : Stefes Diquat at 3.0 l with Vassgro Spreader at 300 ml in 300 l.
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 INOCFUNG	CA	FA	Mean
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	0.147	0.324
Except when comparing means with the same level(s) of		
INOCFUNG		0.207

***** 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