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## Yields of the Field Experiments 1996

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### 96/R/RAS/5 Industrial Cultivars and Disease C - S. Oilseed Rape

#### Rothamsted Research

Rothamsted Research (1997) *96/R/RAS/5 Industrial Cultivars and Disease C - S. Oilseed Rape ; Yields Of The Field Experiments 1996*, pp 132 - 132 - DOI:

<https://doi.org/10.23637/ERADOC-1-51>

96/R/RAS/5

SPRING OILSEED RAPE

INDUSTRIAL CULTIVARS AND DISEASE C

**Object:** To determine the effects of disease on the yield and quality of industrial rape cultivars - Sawyers I E.

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

**Design:** 4 randomised blocks of 2 plots.

**Whole plot dimensions:** 3.0 x 17.0.

**Treatments:**

**INOCFUNG**                    Inoculation or fungicide applied:

I                                Inoculated with infected rape straw.  
F                                Iprodione, thiophanate-methyl and vinclozolin

**Experimental diary:**

23-Jan-96 : B : Ploughed.  
01-Apr-96 : B : Heavy spring-tine cultivated. Rotary harrowed, Starlight, dressed Lindex-Plus FS, drilled at 180 seeds per m<sup>2</sup>.  
03-Apr-96 : B : Butisan S at 1.5 l in 200 l.  
27-Apr-96 : B : Decis at 0.3 l in 200 l.  
07-May-96 : B : 34.5% N at 290 kg.  
13-May-96 : B : Cyperkill 10 at 250 ml in 200 l.  
04-Jun-96 : B : Laser at 2.25 l with Atlas Adjuvant Oil at 1.8 l in 200 l.  
10-Jun-96 : B : Fastac at 200 ml in 320 l.  
14-Jun-96 : T : **INOCFUNG** I: Inoculated with one bale of rape straw per plot.  
05-Jul-96 : T : **INOCFUNG** F: Compass at 3.0 l in 200 l.  
18-Jul-96 : T : **INOCFUNG** F: Ronilan FL at 1.5 l in 260 l.  
28-Aug-96 : B : Combine harvested.

Previous crops: W. wheat 1994, lupins 1995.

**NOTE:** Plant samples were taken at harvest for assessment of diseases. Grain samples were analysed for oil content and fatty acids.

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

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

<b>INOCFUNG</b>	
I	1.12
F	1.22
Mean	1.17

GRAIN MEAN DM% 79.2

PLOT AREA HARVESTED 0.00391