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## Yields of the Field Experiments 1996

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### 96/R/RAS/6 Industrial Cultivars and Disease D - S. Oilseed Rape

#### Rothamsted Research

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96/R/RAS/6

SPRING OILSEED RAPE

INDUSTRIAL CULTIVARS AND DISEASE D

**Object:** To determine the effects of disease on the yield and quality of industrial rape cultivars - Long Hoos III 3.

**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 with thiophanate-methyl and vinclozolin

**Experimental diary:**

08-Dec-95 : B : Ploughed.

01-Apr-96 : B : Heavy spring-tine cultivated twice.

: B : Rotary harrowed, A110L, dressed Rovral Liquid FS and Hydraguard, drilled at 180 seeds per m<sup>2</sup>.

03-Apr-96 : B : Butisan S at 1.5 l in 200 l.

25-Apr-96 : B : Decis at 300 ml in 200 l.

08-May-96 : B : 34.5% N at 290 kg.

13-May-96 : B : Cyperkill 10 at 250 ml 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: Clover 1994, s. beans and s. wheat 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 \*\*\*\*\*

**INOCFUNG**

I 1.35

F 1.21

Mean 1.28

GRAIN MEAN DM% 75.7

PLOT AREA HARVESTED 0.00391