

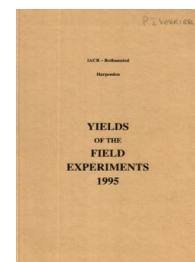
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95/R/RAS/8 Fungicide and Inoculation - S. Oilseed Rape

Rothamsted Research

Rothamsted Research (1996) *95/R/RAS/8 Fungicide and Inoculation - S. Oilseed Rape* ; Yields Of The Field Experiments 1995, pp 123 - 124 - DOI: <https://doi.org/10.23637/ERADOC-1-50>

95/R/RAS/8

SPRING OILSEED RAPE

FUNGICIDE AND INOCULATION

Object: To determine the effects of disease on the yield and seed quality of spring oilseed rape - Geescroft.

Sponsor: K.J. Doughty.

Design: 4 replicates of 2 plots.

Whole plot dimensions: 3.0 x 14.0.

Treatments:

INOCFUNG Diseases inoculated or fungicide applied:

I Inoculated with a mycelial suspension of *Alternaria brassicae* in malt extract broth

F Iprodione applied

Experimental diary:

25-Nov-94 : B : Ploughed.

03-Apr-95 : B : Spring-tine cultivated, rotary harrowed, Starlight, dressed Lindex-Plus FS, drilled at 180 seeds per m².

04-Apr-95 : B : Butisan S at 1.5 l in 200 l.

05-Apr-95 : B : 34.5% N at 145 kg.

02-May-95 : B : Decis at 300 ml in 200 l.

11-May-95 : B : Part irrigated 25 mm.

12-May-95 : B : Part irrigated 25 mm.

24-May-95 : B : 34.5% N at 156 kg.

31-May-95 : B : Dow Shield at 0.5 l in 200 l.

01-Jun-95 : B : Fastac at 200 ml in 300 l.

14-Jun-95 : B : Dow Shield at 1.0 l in 200 l.

29-Jun-95 : **T** : **INOCFUNG** F: Rovral Flo at 2.0 l in 200 l.

10-Jul-95 : B : Fastac at 100 ml in 300 l.

11-Jul-95 : **T** : **INOCFUNG** I: Inoculum applied.

18-Aug-95 : B : Combine harvested.

Previous crops: S. wheat 1993, linseed 1994.

95/R/RAS/8

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

INOCFUNG

I	0.83
F	0.81
Mean	0.82

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

INOCFUNG

0.057

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

Stratum	d.f.	s.e.	cv%
WP	6	0.080	9.8

GRAIN MEAN DM% 81.7

PLOT AREA HARVESTED 0.00322