

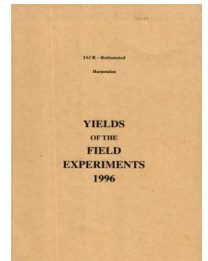
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## Yields of the Field Experiments 1996

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### 96/R/LN/3 Leaf Browning Symptoms - Linseed

#### Rothamsted Research

Rothamsted Research (1997) *96/R/LN/3 Leaf Browning Symptoms - Linseed* ; Yields Of The Field Experiments 1996, pp 165 - 166 - DOI: <https://doi.org/10.23637/ERADOC-1-51>

96/R/LN/3

LINSEED

LEAF BROWNING SYMPTOMS

**Object:** To identify pathogens responsible for leaf browning in linseed and to measure their response to fungicide - Hoosfield, Old Four-course.

**Sponsors:** B.D.L. Fitt, S. Mitchell.

**Design:** 3 randomised blocks of 5 plots.

**Plot dimensions:** 3.0 x 15.0.

**Treatments:**

| FUNGICIDE | Fungicide:             |
|-----------|------------------------|
| -         | None                   |
| A         | Iprodione (duplicated) |
| B         | Benomyl (duplicated)   |

**Experimental diary:**

02-Feb-96 : B : Gramoxone 100 at 4.0 l in 200 l.  
16-Apr-96 : B : Heavy spring-tine cultivated twice. Rotary harrowed, Antares, dressed Prelude 20LF, drilled at 700 seeds per m<sup>2</sup>.  
08-May-96 : B : 34.5% N at 220 kg.  
13-May-96 : B : Cyperkill 10 at 250 ml in 200 l.  
04-Jun-96 : B : Ally at 30 g in 200 l.  
05-Jul-96 : T : FUNGICIDE A: Rovral Flo at 2.0 l in 220 l.  
              : T : FUNGICIDE B: Benlate Fungicide at 1.1 kg in 220 l.  
22-Jul-96 : T : FUNGICIDE A: Rovral Flo at 2.0 l in 220 l.  
              : T : FUNGICIDE B: Benlate Fungicide at 1.1 kg in 220 l.  
              : T : FUNGICIDE A, B: Clayton Turret at 2.0 l in 220 l.  
02-Sep-96 : B : Roundup at 4.0 l in 260 l.  
17-Sep-96 : B : Combine harvested.

Previous crops: W. wheat 1994, linseed 1995.

**NOTE:** Samples of plants were taken regularly to assess the incidence and severity of *Verticillium* and other diseases.

96/R/LN/3

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGCIDE

|   |      |
|---|------|
| - | 0.91 |
| A | 0.93 |
| B | 0.88 |

|      |      |
|------|------|
| Mean | 0.91 |
|------|------|

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

FUNGCIDE

|       |         |
|-------|---------|
| 0.055 | max-min |
| 0.045 | max.rep |

FUNGCIDE

|         |                          |
|---------|--------------------------|
| max-min | - v any of the remainder |
| max.rep | Any of the remainder     |

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

| Stratum  | d.f. | s.e.  | cv% |
|----------|------|-------|-----|
| BLOCK.WP | 10   | 0.077 | 8.5 |

GRAIN MEAN DM% 92.0

PLOT AREA HARVESTED 0.00276