

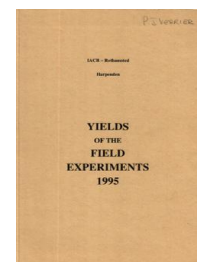
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1995

[Full Table of Content](#)



### 95/W/CS/435 Ryegrass, Wheat Volunteers and Diseases - W. Wheat, Ryegrass, Mustard

#### Rothamsted Research

Rothamsted Research (1996) *95/W/CS/435 Ryegrass, Wheat Volunteers and Diseases - W. Wheat, Ryegrass, Mustard* ; Yields Of The Field Experiments 1995, pp 92 - 92 - DOI:

<https://doi.org/10.23637/ERADOC-1-50>

95/W/CS/435

## RYEGRASS, WHEAT VOLUNTEERS AND DISEASES

**Object:** To study how different populations of cereal volunteers and ryegrass sown as a cover crop affect the survival of cereal diseases - Woburn, School Field.

**Sponsors:** J.F. Jenkyn, R.J. Gutteridge.

**Design:** 4 randomised blocks of 10 x 2 plots.

**Whole plot dimensions:** 6.0 x 10.0.

### Treatments:

1. **CROP** Crop, seed rate and soil inoculation:

R	Ryegrass at 30 kg
RW	Ryegrass at 30 kg + wheat at 50 seeds per m <sup>2</sup>
RI	Ryegrass at 30 kg+ soil inoculated with <i>Phialophora graminicola</i>
RWI	Ryegrass at 30 kg + wheat at 50 seeds per m <sup>2</sup> + soil inoculated with <i>P. graminicola</i>
M	Mustard at 300 seeds per m <sup>2</sup>
MW1	Mustard at 100 seeds per m <sup>2</sup> + wheat at 4 seeds per m <sup>2</sup>
MW2	Mustard at 100 seeds per m <sup>2</sup> + wheat at 9 seeds per m <sup>2</sup>
MW3	Mustard at 100 seeds per m <sup>2</sup> + wheat at 50 seeds per m <sup>2</sup>
MW4	Mustard at 100 seeds per m <sup>2</sup> + wheat at 200 seeds per m <sup>2</sup>
MW5	Mustard at 30 seeds per m <sup>2</sup> + wheat at 400 seeds per m <sup>2</sup>
  
2. **CULT** Time of ploughing:

PE	Early (12 May)
PL	Late (17 Aug)

### Experimental diary:

- 22-Aug-94 : B : Discd.  
07-Sep-94 : B : Gramoxone 100 at 3.0 l in 200 l.  
10-Sep-94 : B : Ploughed.  
12-Sep-94 : B : Rolled.  
13-Sep-94 : B : Rotary harrowed.  
                  : T : Seeds sown and soil inoculated.  
24-Nov-94 : T : **CROP** R and RI: Leyclene at 5.0 l in 220 l.  
11-May-95 : B : Topped.  
12-May-95 : T : **CULT** PE: Ploughed.  
29-Jun-95 : T : **CULT** PL: Topped.  
17-Aug-95 : T : **CULT** PL: Topped, ploughed.

**NOTE:** Mustard variety was Tilney, wheat, Soissons and ryegrass, Borvi, all undressed.

No yields were taken in 1995.