

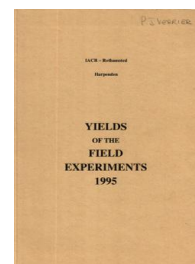
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## Yields of the Field Experiments 1995

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### 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:**  
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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.