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## Yields of the Field Experiments 1999

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### 99/W/WW/2 Testing Weed Control Thresholds - W. Wheat

#### Rothamsted Research

Rothamsted Research (2000) *99/W/WW/2 Testing Weed Control Thresholds - W. Wheat* ; Yields Of The Field Experiments 1999, pp 116 - 117 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/W/WW/1

**GRAIN TONNES/HECTARE**

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

**DENSITY**

|    |      |
|----|------|
| D1 | 7.95 |
| D2 | 7.95 |
| D3 | 7.78 |

|      |      |
|------|------|
| Mean | 7.89 |
|------|------|

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

**DENSITY**

0.569

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

| Stratum | d.f. | s.e. | cv% |
|---------|------|------|-----|
|---------|------|------|-----|

|          |   |       |     |
|----------|---|-------|-----|
| BLOCK.WP | 4 | 0.697 | 8.8 |
|----------|---|-------|-----|

GRAIN MEAN DM% 84.9

PLOT AREA HARVESTED 0.00230

99/W/WW/2

# WINTER WHEAT

## TESTING WEED CONTROL THRESHOLDS

**Object:** To test the validity of threshold values for weed density - Woburn, Lansome II.

**Sponsors:** J.W. Cussans, P.J.W. Lutman, A. Blair (ADAS), S. Ingle (ADAS).

**Design:** 3 blocks of 3 x 3 + 3.

**Plot dimensions:** 4.0 x 17.5.

**Treatments:** All combinations of:-

1. **HERB DEC**                      Herbicide and timing:
  - E                      Autumn
  - L                      Spring
  - U                      Selective herbicides
2. **WEEDSPEC**                      Weed species:
  - MP                      Mayweed (*Matricaria perforata*)
  - SM                      Chickweed (*Stellaria media*)
  - AM                      Black-grass (*Alopecurus myosuroides*)
- EXTRA**                      None (triplicated)

### Experimental diary:

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| 13-Oct-98 : B :                  | : Rotary harrowed.                                                                    |
| : T : MP, SM, AM                 | : Weed seed broadcast as treatment.                                                   |
| : B :                            | : Consort, tr. Beret Gold, drilled at 380 seeds/m <sup>2</sup> with the Accord drill. |
| 20-Oct-98 : B :                  | : Hardy at 7.5 kg.                                                                    |
| 22-Jan-99 : T : E MP, E SM, E AM | : Tolkan Liquid at 4.0 l with Panther at 2.0 l in 225 l.                              |
| 20-Feb-99 : B :                  | : 34.5% N at 145 kg.                                                                  |
| 03-Apr-99 : B :                  | : 34.5% N at 145 kg.                                                                  |
| 08-Apr-99 : T : L AM             | : Topik at 0.25 with Ally at 30 g in 225 l.                                           |
| : T : U SM                       | : Dow Shield at 0.5 l in 225 l.                                                       |
| : T : U AM, L SM, L MP           | : Ally at 30 g in 225 l.                                                              |
| 30-Apr-99 : B :                  | : tm)Folicur at 0.5 l in 200 l.                                                       |
| : B :                            | : tm)Atlas Chlormequat 700 at 2.0 l in 200 l.                                         |
| 21-Aug-99 : B :                  | : Combine harvested.                                                                  |