

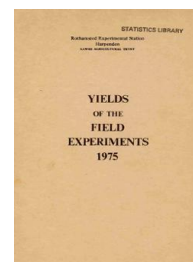
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ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1975

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## 75/ R`/CS/156 - Leatherjacket Study - Old Grass

### Rothamsted Research

Rothamsted Research (1976) 75/ R`/CS/156 - *Leatherjacket Study - Old Grass* ; Yields Of The Field Experiments 1975, pp 253 - 255 - DOI: <https://doi.org/10.23637/ERADOC-1-141>

75/R/CS/156

LEATHERJACKET STUDY

Object: To study the effects of birds and rainfall on leatherjacket populations and yield of old grass - Road Piece.

Sponsor: C.A. Edwards.

The first year, old grass.

Design: 2 blocks of 9 plots.

Whole plot dimensions: 2.74 x 3.66.

Treatments:

None (5 plots per block)

Protected from bird attack by wire netting:

from 29 November, 1974

from 26 February, 1975

Larvae added 12 June, 1975

Protected from rain by plastic cover from  
29 November, 1974

TREATMNT

NONE

NET-NOV

NET-FEB

LARVAE

COVERED

Basal applications: (0:14:28) at 500 kg in winter

Cultivations, etc.: - PK applied: 26 Feb, 1975. Cut: 22 May, 7 Nov.

Cages and plastic covers removed: end September.

NOTE: Soil cores to assess leatherjacket populations were taken on  
3 Feb, 16 Apr and 7 July.

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1ST CUT (29/5/75)

\*\*\* TABLES OF MEANS \*\*\*

DRY MATTER TONNES/HECTARE

| TREATMNT | NONE | NET-NOV | NET-FEB | LARVAE | COVERED | MEAN |
|----------|------|---------|---------|--------|---------|------|
|          | 3.03 | 3.44    | 3.39    | 3.71   | 3.53    | 3.42 |

\*\*\* STANDARD ERRORS OF DIFFERENCES OF MEANS \*\*\*

| TABLE | TREATMENT |
|-------|-----------|
| SED   | 0.450(1)  |
|       | 0.580(2)  |

\*\*\*\*\* STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION \*\*\*\*\*

| STRATUM  | DF | SE    | CV%  |
|----------|----|-------|------|
| BLOCK.WP | 12 | 0.580 | 17.9 |

MEAN DM% 25.0

2ND CUT (10/11/75)

\*\*\* TABLES OF MEANS \*\*\*

DRY MATTER TONNES/HECTARE

| TREATMENT | NONE | NET-NOV | NET-FEB | LARVAE | COVERED | MEAN |
|-----------|------|---------|---------|--------|---------|------|
|           | 1.14 | 1.31    | 1.71    | 1.42   | 0.46    | 1.21 |

\*\*\* STANDARD ERRORS OF DIFFERENCES OF MEANS \*\*\*

| TABLE | TREATMENT |
|-------|-----------|
| SED   | 0.123(1)  |
|       | 0.159(2)  |

\*\*\*\*\* STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION \*\*\*\*\*

| STRATUM  | DF | SE    | CV%  |
|----------|----|-------|------|
| BLOCK.WP | 12 | 0.159 | 13.5 |

MEAN DM% 35.0

(1) NONE V. ANY OF REMAINDER  
(2) ANY OF REMAINDER

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TOTAL OF 2 CUTS

\*\*\* TABLES OF MEANS \*\*\*

DRY MATTER TONNES/HECTARE

| TREATMENT | NONE | NET-NOV | NET-FEB | LARVAE | COVERED | MEAN |
|-----------|------|---------|---------|--------|---------|------|
|           | 4.17 | 4.74    | 5.10    | 5.13   | 3.99    | 4.63 |

\*\*\* STANDARD ERRORS OF DIFFERENCES OF MEANS \*\*\*

| TABLE | TREATMENT |
|-------|-----------|
| SED   | 0.506(1)  |
|       | 0.653(2)  |

\*\*\*\*\* STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION \*\*\*\*\*

| STRATUM  | DF | SE    | CV%  |
|----------|----|-------|------|
| BLOCK.WP | 12 | 0.653 | 14.8 |

MEAN DM% 30.0

(1) NONE V. ANY OF REMAINDER  
(2) ANY OF REMAINDER