

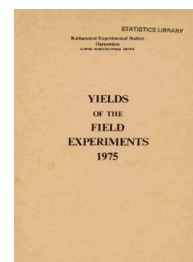
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ROTHAMSTED  
RESEARCH

## 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:

	TREATMNT
None (5 plots per block)	NONE
Protected from bird attack by wire netting:	
from 29 November, 1974	NET-NOV
from 26 February, 1975	NET-FEB
Larvae added 12 June, 1975	LARVAE
Protected from rain by plastic cover from 29 November, 1974	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