

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 1976

[Full Table of Content](#)

76/R/CS/156 Leatherjacket Study - Old Grass

Rothamsted Research

Rothamsted Research (1977) *76/R/CS/156 Leatherjacket Study - Old Grass* ; Yields Of The Field Experiments 1976, pp 192 - 194 - DOI: <https://doi.org/10.23637/ERADOC-1-15>

76/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 second year, old grass.

For previous year see 75/R/CS/156.

Design: 2 blocks of 9 plots.

Whole plot dimensions: 2.74 x 3.66.

Treatments:-

TREATMNT

None in 1976 after the following in 1975:

-(-)	None
-(CN)	Caged from birds by wire netting from November 1974
-(CF)	Caged from February 1975
-(DRY)	Protected from rain from November 1974

The following in 1976 after none in 1975:

CD(-)	Caged from December 1975
CF(-)	Caged from February 1976
CA(-)	Caged from April 1976
DRY(-)	Protected from rain from November 1975
LF(LJ)	Larvae added in June 1975 and February 1976

Basal applications: Manures: (0:14:28) at 500 kg. (25:0:16) at 440 kg in spring and at 220 kg after the first cut.

Cultivations, etc.:- PK applied: 21 Nov, 1975. NK applied: 26 Feb, 1976, 21 May.
Cut: 20 May, 29 June, 2 Nov.

NOTES: (1) Soil cores were taken to assess total soil fauna in December, 1975, January and February, 1976.
(2) Because of drought sampling was not continued throughout the season.

76/R/CS/156

1ST CUT (20/5/76) DRY MATTER TONNES/HECTARE

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

TREATMNT	-(-)	-(CN)	-(CF)	-(DRY)	CD(-)	CF(-)	CA(-)	DRY(-)	LF(LJ)	MEAN
	2.63	2.95	3.18	2.83	2.95	3.36	3.25	2.45	3.18	2.97

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

TABLE	TREATMNT
-----	-----
SED	0.525

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

STRATUM	DF	SE	CV%
BLOCK.WP	8	0.525	17.7

1ST CUT MEAN DM% 20.7

2ND CUT (29/6/76) DRY MATTER TONNES/HECTARE

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

TREATMNT	-(-)	-(CN)	-(CF)	-(DRY)	CD(-)	CF(-)	CA(-)	DRY(-)	LF(LJ)	MEAN
	0.41	0.38	0.42	0.51	0.32	0.35	0.46	0.36	0.36	0.40

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

TABLE	TREATMNT
-----	-----
SED	0.038

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

STRATUM	DF	SE	CV%
BLOCK.WP	8	0.038	9.6

2ND CUT MEAN DM% 39.9

76/R/CS/156

3RD CUT (2/11/76) DRY MATTER TONNES/HECTARE

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

TREATMNT	-(-)	-(CN)	-(CF)	-(DRY)	CD(-)	CF(-)	CA(-)	DRY(-)	LF(LJ)	MEAN
	1.58	1.62	1.28	1.45	1.27	1.78	1.45	1.48	1.78	1.52

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

TABLE	TREATMNT
-----	-----
SED	0.212

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

STRATUM	DF	SE	CV%
BLOCK.WP	8	0.212	14.0

3RD CUT MEAN DM% 15.6

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

TREATMNT	-(-)	-(CN)	-(CF)	-(DRY)	CD(-)	CF(-)	CA(-)	DRY(-)	LF(LJ)	MEAN
	4.62	4.95	4.87	4.78	4.54	5.49	5.17	4.28	5.31	4.89

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

TABLE	TREATMNT
-----	-----
SED	0.522

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

STRATUM	DF	SE	CV%
BLOCK.WP	8	0.522	10.7

TOTAL OF 3 CUTS MEAN DM% 25.4

PLOT AREA HARVESTED 0.00037