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Yields of the Field Experiments 1976

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

Rothamsted Research

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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
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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