

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 1975

[Full Table of Content](#)



---

### 75/ R/C S/130 - Effects of Earthworm Inoculation - Ley

#### Rothamsted Research

Rothamsted Research (1976) 75/ R/C S/130 - *Effects of Earthworm Inoculation - Ley* ; Yields Of The Field Experiments 1975, pp 215 - 217 - DOI: <https://doi.org/10.23637/ERADOC-1-141>

75/R/CS/130

EFFECTS OF EARTHWORM INOCULATION

Object: To study the effects of different species of earthworms on yield and other characteristics of grass - Fosters O & E.

Sponsor: J.R. Lofty.

The second year, ley.

For previous year see 74/R/CS/130.

Design: 3 blocks of 4 plots.

Whole plot dimensions: 8.53 x 9.14.

Treatments: Inoculation with earthworm species cumulative on 1974 treatments:

	WORMSPEC
None	NONE
Allolobophora longa at 5000 per hectare	ALLOLOBO
Lumbricus terrestris at 5000 per hectare	LUMBRICU
Six species - A. caliginosa, A. chlorotica, A. longa, A. rosea, L. rubellus, L. terrestris at a total of 12000 per hectare	SIX SPEC

NOTE: Earthworms were applied on 11 March, 1975.

Basal applications: Manures: (0:14:28) at 500 kg in winter, (25:0:16) at 440 kg for the first cut and at 220 kg for the second and third cuts.

Cultivations, etc.: - PK applied: 9 Jan, 1975. NK, applied: 5 Mar, 4 June, 18 Aug. Cut: 28 May, 31 July, 7 Nov.

75/R/CS/130

1ST CUT (28/5/75) DRY MATTER TONNES/HECTARE

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

WORMSPEC	NONE	ALLOLOBO	LUMBRICU	SIXSPEC	MEAN
	2.79	2.74	2.95	2.68	2.79

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

TABLE	WORMSPEC
-----	-----
SED	0.290

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

STRATUM	DF	SE	CV%
BLOCK.WP	6	0.355	12.7

1ST CUT MEAN DM% 22.3

1ST CUT PLOT AREA HARVESTED 0.00093

2ND CUT (31/7/75) DRY MATTER TONNES/HECTARE

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

WORMSPEC	NONE	ALLOLOBO	LUMBRICU	SIXSPEC	MEAN
	1.00	0.78	0.75	0.78	0.83

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

TABLE	WORMSPEC
-----	-----
SED	0.1623

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

STRATUM	DF	SE	CV%
BLOCK.WP	6	0.1988	24.0

2ND CUT MEAN DM% 39.4

2ND PLOT AREA HARVESTED 0.00046

75/R/CS/130

3RD CUT (7/11/75) DRY MATTER TONNES/HECTARE

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

WORMSPEC	NONE	ALLOLOBO	LUMBRICU	SIXSPEC	MEAN
	1.77	1.78	1.65	1.65	1.71

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

TABLE	WORMSPEC
-----	-----
SED	0.142

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

STRATUM	DF	SE	CV%
BLOCK.WP	6	0.174	10.2

3RD CUT MEAN DM% 21.8

3RD CUT PLOT AREA HARVESTED 0.00046

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

WORMSPEC	NONE	ALLOLOBO	LUMBRICU	SIXSPEC	MEAN
	5.56	5.30	5.35	5.11	5.33

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

TABLE	WORMSPEC
-----	-----
SED	0.328

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

STRATUM	DF	SE	CV%
BLOCK.WP	6	0.402	7.5

TOTAL OF 3 CUTS MEAN DM% 27.8