

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 1972

[Full Table of Content](#)



72/W/CS/101 Grass, Effects of Nematodes - Old Grass

Rothamsted Research

Rothamsted Research (1973) *72/W/CS/101 Grass, Effects of Nematodes - Old Grass* ; Yields Of The Field Experiments 1972, pp 258 - 259 - DOI: <https://doi.org/10.23637/ERADOC-1-62>

72/W/CS/101

GRASS, EFFECTS OF NEMATODES

Object: To study the effects of aldicarb and disulfoton on yield of old grass and incidence of insects and nematodes - Woburn Bull Field.

Sponsor: D.L. Trudgill.

The first year, old grass.

Design: 5 blocks of 4 plots.

Whole plot dimensions: 2.74 x 6.40. Area harvested: 0.00059.

Treatments:-

Chemicals (C): None (0), aldicarb, 22 kg in spring (A), disulfoton, 4.5 kg in spring plus 2.2 kg 3 months later (D), aldicarb and disulfoton at the above rates and times (AD).

Basal applications: 630 kg (0:14:28), 500 kg (25:0:16) in spring and 300 kg (25:0:16) after each cut.

Cultivations, etc.: Grass topped, PK and NK applied, chain harrowed: 29 Feb, 1972. Aldicarb and disulfoton applied: 3 Mar. Disulfoton applied: 10 June. Cut twice: 16 June, 11 Aug. NK applied: 27 June, 16 Aug. Previous crop: Permanent grass.

NOTE: Nematode counts were made after each cut.

Standard errors per plot. Dry matter, tonnes/hectare:

1st cut: 0.907 or 14.4% (12 d.f.)
2nd cut: 0.268 or 12.2% (12 d.f.)
Total of 2 cuts: 0.829 or 9.8% (12 d.f.)

72/W/CS/101

TABLES OF MEANS

DRY MATTER: TONNES/HECTARE

1ST CUT

C

O	A	D	A+D	Mean
6.20	6.05	5.77	7.09	6.28

STANDARD ERROR OF DIFFERENCES

C 0.574

2ND CUT

C

O	A	D	A+D	Mean
2.23	2.37	1.93	2.27	2.20

STANDARD ERROR OF DIFFERENCES

C 0.169

TOTAL OF 2 CUTS

C

O	A	D	A+D	Mean
8.43	8.42	7.70	9.36	8.48

STANDARD ERROR OF DIFFERENCES

C 0.524

Mean D.M. %: 1st cut: 21.5
 2nd cut: 21.9
 Total of 2 cuts: 21.7