

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/W/CS/184 Cereal Cyst Nematode Study - Oats

Rothamsted Research

Rothamsted Research (1977) *76/W/CS/184 Cereal Cyst Nematode Study - Oats* ; Yields Of The Field Experiments 1976, pp 245 - 245 - DOI: <https://doi.org/10.23637/ERADOC-1-15>

76/W/CS/184

CEREAL CYST NEMATODE STUDY

Object: To study the effects of formalin on cereal cyst nematode (*Heterodera avenae*) and the fungus *Entomophthora* - Woburn Butt Close.

Sponsor: T.D. Williams.

The first year, oats.

Design: 4 randomised blocks of 4 plots split into 4.

Whole plot dimensions: 2.13 x 21.0.

Treatments:

Whole plots: None (for treatment in 1977)

Sub plots

FORMALIN	Formalin:
----------	-----------

0	None
3000 L	3000 l

NOTE: Because of severe drought the crop was almost a total failure and yields were not taken.

Basal applications: Manures: (20:14:14) at 380 kg combine drilled.

Weedkiller: Ioxynil at 0.58 kg with mecoprop at 1.7 kg in 340 l

Seed: Manod, sown at 190 kg.

Cultivations, etc.: - Heavy-tine cultivated: 30 Aug, 1975. Rotary cultivated:

1 Sept. Ploughed: 24 Sept. Spring-tine cultivated: 19 Jan, 1976.

Formalin applied: 1 Mar. Spring-tine cultivated with crumbler attached,

seed sown: 22 Mar. Weedkiller applied: 30 Apr. Combine harvested:

4 Aug. Previous crops: Wheat 1974, oats 1975.

NOTE: Soil samples were taken before treatments were applied, during the season and after harvest for cyst and egg counts of *Heterodera avenae*.