

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 1982

[Full Table of Content](#)



82/W/MA/1 Effects of Aldicarb and Benomyl - Forage Maze

Rothamsted Research

Rothamsted Research (1983) *82/W/MA/1 Effects of Aldicarb and Benomyl - Forage Maze* ; Yields Of The Field Experiments 1982, pp 314 - 315 - DOI: <https://doi.org/10.23637/ERADOC-1-33>

82/W/MA/1

FORAGE MAIZE

EFFECTS OF ALDICARB AND BENOMYL

Object: To study the effects of aldicarb and benomyl on nematodes, mycorrhiza and on the yield of forage maize - Woburn Butt Close.

Sponsor: T.D. Williams.

Design: 8 randomised blocks of 4 plots.

Whole plot dimensions: 2.13 x 4.57.

Treatments: All combinations of:-

1. ALDICARB Aldicarb (kg) to seedbed:

0
5

2. BENOMYL Benomyl (kg) to seedbed:

0
22

Basal applications: Manures: (20:10:10) at 750 kg. Weedkillers: Glyphosate at 1.5 kg in 280 l. Atrazine at 1.1 kg in 280 l. Insecticide: Chlorfenvinphos at 2.2 kg as granules.

Seed: Fronica, sown at 105,000 seeds per hectare.

Cultivations, etc.:— Glyphosate applied: 1 Oct, 1981. Ploughed: 25 Feb, 1982. Heavy spring-tine cultivated: 27 Apr. NPK applied: 29 Apr. Aldicarb and benomyl applied: 4 May. Rotary cultivated with crumbler attached, atrazine applied; seed sown: 5 May. Hand hoed, chlorfenvinphos applied: 28 May. Hand harvested: 28 Sept. Previous crops: Maize 1980, s. wheat 1981.

NOTE: Nematodes were assessed in soil samples taken before treatments were applied, in July, August and after harvest and in crop samples in June and July.

82/W/MA/1

FORAGE DRY MATTER TONNES/HECTARE

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

BENOMYL	0	22	MEAN
ALDICARB			
0	19.18	18.63	18.90
5	21.50	22.08	21.79
MEAN	20.34	20.35	20.35

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

TABLE	ALDICARB	BENOMYL	ALDICARB BENOMYL
-----	-----	-----	-----
SED	0.568	0.568	0.803

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

STRATUM	DF	SE	CV%
BLOCK.WP	21	1.607	7.9
GRAIN MEAN DM%	32.9		
PLOT AREA HARVESTED	0.00049		