

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 1977

[Full Table of Content](#)



77/R/CS/196 Single and Divided Applications of Aldicarb - Onions

Rothamsted Research

Rothamsted Research (1978) *77/R/CS/196 Single and Divided Applications of Aldicarb - Onions ; Yields Of The Field Experiments 1977*, pp 258 - 259 - DOI:

<https://doi.org/10.23637/ERADOC-1-29>

77/R/CS/196

SINGLE AND DIVIDED APPLICATIONS OF ALDICARB

Object: To study the effects of single and divided applications of aldicarb on control of stem-eelworm (*Ditylenchus dipsaci*) and on the yield of spring-sown onions - Gt. Field I.

Sponsor: A.G. Whitehead.

The second year, spring-sown onions.

For previous year see 76/R/ON/1.

Design: 4 randomised blocks of 7 plots.

Whole plot dimensions: 1.52 x 6.10.

Treatments cumulative to 1976: All combinations of:-

1. ALD RATE Rates of aldicarb (kg):

1.9
3.8
7.6

2. ALD TIME Times of applying aldicarb:

SINGLE All to seedbed (10 Mar)
DIVIDED Half to seedbed, half in June (10 Mar, 9 June)

EXTRA plus one extra treatment

NONE No aldicarb

Basal applications: Manures: (13:13:20) at 1880 kg. Weedkillers: Propachlor ('Ramrod' at 6.7 kg in 400 l). Pyrazone with chlorbufam ('Alice' at 4.5 kg i.n 400 l).

Seed: Robusta, dressed with dieldrin, sown at 6.7 kg.

Cultivations, etc.: - Ploughed: 18 Sept, 1976. NPK applied: 9 Mar, 1977.
Power harrowed and seed sown: 10 Mar. 'Ramrod' applied: 18 Mar. 'Alice' applied: 9 June. Lifted: 17 Oct.

NOTES: (1) Soil samples were taken for counts of *Ditylenchus dipsaci*.

(2) EXTRA NONE: All plots were destroyed by stem nematodes.

77/R/CS/196

HEALTHY ONIONS TONNES/HECTARE

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

ALD TIME ALD RATE	SINGLE	DIVIDED	MEAN
1.9	37.1	37.3	37.2
3.8	39.7	44.3	42.0
7.6	36.5	40.5	38.5
MEAN	37.7	40.7	39.2

EXTRA NONE 0.0

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

TABLE	ALD RATE	ALD TIME	ALD RATE ALD TIME
SED	2.66	2.17	3.77

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

STRATUM	DF	SE	CV%
BLOCK.WP	15	5.33	13.6
PLOT AREA HARVESTED	0.00046		