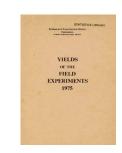
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# Yields of the Field Experiments 1975



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# 75/ R/CS/127 - Single & Divided Applications of Aldicarb - Onions

#### **Rothamsted Research**

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## 75/R/CS/127

#### SPRING ONIONS

### SINGLE AND DIVIDED APPLICATIONS OF ALDICARB

Object: To study the effects of rates and times of applying aldicarb on control of stem eelworm (Ditylenchus dipsaci) and on the yield of spring-sown onions - Great Field II.

Sponsor: A.G. Whitehead.

2.5

The third year, spring onions.

For previous years see 73-74/R/CS/127.

Design: 2 randomised blocks of 12 plots.

Whole plot dimensions: 6.09 x 1.52.

Treatments: All combinations of:1. Residues of aldicarb applied 1974 (kg):

ALDICARB (74)

None 0.0 2.5 2.5

2. Rates of aldicarb applied 1975 (kg):

ALDICARB(75)

5.0 10.0 2.5 5.0 10.0

3. Times of applying aldicarb 1975:

ALDTIME(75)

All in April to seedbed (24 Apr) Half in April, half on 16 July APRIL APR/JULY

Basal applications: Manures: (13:13:20) at 1880 kg. Weedkillers: Propachlor ('Ramrod' at 6.7 kg in 450 1), Pyrazone ('Alicep' at 4.5 kg in 450 gall).

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

Cultivations, etc.:- NPK applied, rotary cultivated, seed sown, propachlor applied: 24 Apr, 1975. Pyrazone applied: 18 June. Lifted: 24 Sept.

NOTES: (1) Soil samples were taken in May and after harvest for counts of Ditylenchus dipsaci.

(2) One plot ALDICARB(74) 2.5 ALDICARB(75) 10.0 ALDTIME(75) APRIL

was not completely harvested. An estimated value has been used in the analysis.

(3) There was evidence of a linear trend across the site and yields adjusted for this trend are presented.

75/R/CS/127						
TOTAL ONIONS T	ONNES /HEC TARE					
*** TABLES OF	MEANS ***					
ALDICARB(75) ALDICARB(74)	2.5	5.0	10.0	MEAN		
0.0	21.8 21.2	21.3 19.0	20.9 20.2	21.3 20.2		
MEAN	21.5	20.1	20.5	20.7		
ALDTIME(75) ALDICARB(74)	APRIL AP	R/JULY	MEAN			
0.0	21.8	20.8	21.3			
MEAN	20.9	20.5	20.7			
ALDTIME(75) ALDICARB(75)	APRIL AP	R/JULY	MEAN			
2.5	22.4	20.6	21.5			
5.0 10.0	19.6 20.7	20.6	20.5			
MEAN	20.9	20.5	20.7			
ALDICARB ALDIIME ALDICARB	(75) APRIL	APR/JULY	5.0 APRIL A	PR/JULY	10.0 APRIL APP	\JULY
	0.0 22.8 2.5 22.1			20.8 20.5	21.0 20.5	20.8
**** STANDARD	ERRORS OF DI	FFERENCES	OF MEANS	****		
TABLE	ALDICARB(74)	ALDICARE	(75) ALDT	ME(75) ALI	ICARB(74) ICARB(75)	
SED	0.60		0.73	0.59	1.04	
TABLE	ALDICARB(74) ALDTIME(75)	ALDICARE	(75) ALDICA	ARB(74) ARB(75) IME(75)		
SED	0.84		1.06	1.48		
**** STRATUM	STANDARD ERRO	ORS AND CO	EFFICIENTS	OF VARIATI	ION ****	
STRATUM		DF	SE	CV%		
BLCCK.WP		9	1.44	7.0		
PLOT AREA HARV	ESTED 0.0004		214			