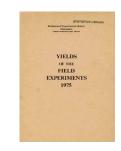
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Yields of the Field Experiments 1975



Full Table of Content

75/ R/ON/1 - Stem-eelworm Control - Onions

Rothamsted Research

Rothamsted Research (1976) 75/R/ON/1 - Stem-eelworm Control - Onions; Yields Of The Field Experiments 1975, pp 375 - 376 - DOI: https://doi.org/10.23637/ERADOC-1-141

75/R/ON/1

WINTER AND SPRING ONIONS

STEM-EELWORM CONTROL

Object: To study the effects of rates and times of applying aldicarb on control of stem-eelworm (Ditylenchus dipsaci) and on the yield of winter onions. Spring-sown onions treated with aldicarb are also included - Great Field II.

Sponsor: A.G. Whitehead.

Design: 3 randomised blocks of 10 plots.

Whole plot dimensions: 1.22 x 5.18.

Treatments: Aldicarb (kg):-

ALDICARB

To winter onions:

N	one	(2 plots	/block	(2		0
		seedbed,			1.	+1
				in spring		2
		seedbed,			2-	+2
				in spring		4
		seedbed,			4	+4
8	in	seedbed,	none	in spring		8

To spring onions:

4 kg in seedbed (2 plots/block)

NOTE: Yields were not taken from the spring-sown onions.

Standard applications: Manures: Autumn-sown plots: (13:13:20) at 1040 kg, 'Nitro-Chalk' at 450 kg. Spring-sown plots: (13:13:20) at 1880 kg. Weedkiller: Propachlor ('Ramrod' at 6.7 kg in 450 1).

Seed: Winter: Imai Early Yellow, dressed with dieldrin, sown at 6.7 kg. Spring: Robusta, dressed with dieldrin, sown at 6.7 kg.

Cultivations, etc.:- Ploughed: 22 Aug, 1974. Autumn-sown plots: rotary cultivated twice, NPK and aldicarb applied, seed sown: 22 Aug. Weedkiller applied: 27 Aug. N applied: 14 Feb, 1975. Aldicarb applied: 21 Apr. Lifted: 4 July. Spring-sown plots: Weedkiller applied: 27 Aug, 1974. Rotary cultivated, NPK and aldicarb applied and seed sown: 21 Apr, 1975. Previous crops: Onions 1973, barley 1974.

NOTES: (1) Soil samples were taken from winter-sown plots on 23 July for counts of Ditylenchus dipsaci.

(2) Onions were stored until 3 October to determine loss of weight and percentage of bulbs rotting after harvest. 75/R/ON/1

SALEABLE ONIONS TONNES/HECTARE

*** TABLES OF MEANS ***

ALDICARB 0 1+1 2 2+2 4 4+4 8 MEAN 13.2 18.6 18.8 19.3 18.5 19.2 19.3 17.5

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

TABLE ALDICARB
SED 2.74(1)

3.17(2) (1) 0 V ANY OF REMAINDER

(2) ANY OF REMAINDER

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

 STRATUM
 DF
 SE
 CV%

 BLCK.WP
 15
 3.88
 22.1

PLOT AREA HARVESTED 0.00063