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76/R/ON/1 Single and Divided Applications of Aldicarb - Onions

Rothamsted Research

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76/R/ON/1

ONIONS

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.

Design: 4 randomised blocks of 7 plots.

Whole plot dimensions: 1.52 x 6.10.

Treatments: All combinations of:-

1. ALD RATE Rates of aldicarb (kg):

2.17	2.17
4.35	4.35
8.70	8.70

2. ALD TIME Times of applying aldicarb:

SINGLE	All to seedbed (3 Mar)
DIVIDED	Half to seedbed, half in June (3 Mar, 23 June)

EXTRA plus one extra treatment

NONE No aldicarb

Basal applications: Manures: (13:13:20) at 1840 kg. Weedkiller: Propachlor ('Ramrod' at 8.4 l) in 400 l.

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

Cultivations, etc.:- Ploughed: 20 Nov, 1975. Power harrowed, fertiliser applied, power harrowed, seed sown, weedkiller applied: 3 Mar, 1976. Harvested by hand: 21 Sept. Previous crops: Fallow 1974, beans 1975.