

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 1964

[Full Table of Content](#)



64/R/BB/C/12 Chemical Control of Wireworm - Spring Wheat

Rothamsted Research

Rothamsted Research (1965) *64/R/BB/C/12 Chemical Control of Wireworm - Spring Wheat ; Yields Of The Field Experiments 1964*, pp 169 - 170 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/C/12.1

CHEMICAL CONTROL OF WIREWORMS

(BB)

New Zealand 1964, the first year - Spring wheat.

Design: 4 randomised blocks of 12 plots each.

Area of each plot: 0.0193. Area harvested: 0.0129.

Treatments. Insecticides:-

None (3 plots per block)

(O)

Sprays (active ingredient, in 158 gals):-

'Bayer 38156' (1.5 lb)

(As)

'Bayer 37289' (1.5 lb)

(Bs)

Zinophos (1.5 lb)

(Cs)

'Sumithion' (1.5 lb)

(Ds)

Aldrin (2.25 lb)

(Es)

Seed dressings (active ingredient per bushel):-

'Bayer 38156' (0.5 oz)

(Ad)

'Bayer 37289' (0.5 oz)

(Bd)

BHC (0.5 oz)

(Fd)

Dieldrin (12.0 oz)

(Gd)

Basal dressings: 2.5 cwt (20:10:10) combine drilled, organo-mercury fungicide dressing applied to seed.

Cultivations, etc.: Ploughed: Dec 7, 1963. Sprays applied:

Mar 13, 1964. Seed drilled at 3 bushels: Apr 1. Sprayed with 2,4-D butoxyethylester at 0.66 lb a.e. in 40 gals: May 20. Combine harvested: Aug 31. Variety: Jufy I. Previous crop: Old grass.

NOTE: Plant samples were taken on 8th May for estimation of wireworm damage.

Standard error per plot.

Grain: 2.25 or 6.6% (35 d.f.)

64/C/12.2

SUMMARY OF RESULTS

GRAIN

	Mean	Increase
		(± 1.30)
O	33.9 (± 0.65)	
As	36.1	+2.2
Bs	35.3	+1.4
Cs	34.8	+0.9
Ds	34.8	+0.9
Es	35.2 (± 1.12)	+1.3
Ad	32.5	-1.4
Bd	34.3	+0.4
Fd	32.6	-1.3
Gd	34.5	+0.6
Mean	34.3	

Mean D.M. %: 87.4