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## Yields of the Field Experiments 1964

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### 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