

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

Numerical Results of the Field Experiments 1968

[Full Table of Content](#)



68/C/9 Sod Seeding and Pests - W. Wheat

Rothamsted Research

Rothamsted Research (1970) *68/C/9 Sod Seeding and Pests - W. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 167 - 168 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/c/9.1

WINTER WHEAT

(BH)

Sod seeding and pests, New Zealand 1968, the fourth year.

Design: 3 randomised blocks of 3 plots, split into 2.

Area of each sub plot: 0.0227. Area harvested: 0.0152.

Treatments: All combinations of:-

Whole plots: 1. Seedbed preparation: Ploughed 1965, 1966, 1967 and 1968 (M). Ploughed with ioxynil spray 1965, ploughed 1966 and 1967, ploughed with aminotriazole* 1968 (MA). Seeded direct each year, with paraquat 1965 and 1966, aminotriazole* and paraquat** 1967 and 1968 (SAP).

Sub plots: 2. Insecticide spray: None (0), sprayed 1965 with diazinon, 1966 with diazinon and chlordane 1967 with DDT, diazinon and chlordane, and 1968 with DDT, diazinon and chlordane*** (I).

* At 4 lb in 32 gals (with ammonium thiocyanate at 3.7 lb).

** At 2 lb ion in 32 gals.

*** A mixture of DDT at 9.6 lb, diazinon at 2.0 lb and chlordane at 6.7 lb, in 160 gals.

Basal applications: 340 lb (6:15:15), 0.84 cwt N as 'Nitro-Chalk' in spring.

Weedkiller: Mecoprop at 42 oz and 2,4-D at 10.5 oz in 40 gals.

Cultivations, etc.: Aminotriazole, ammonium thiocyanate and paraquat applied: 21 Sept, 1967. M and MA plots ploughed: 12 Oct. Insecticides applied: 23 Oct. Basal NPK compound applied: 24 Oct. M and MA plots spring-tine cultivated, seed drilled at 180 lb: 25 Oct. 'Nitro-Chalk' applied: 11 Apr, 1968. Weedkiller applied: 4 May. Combine harvested: 24 Aug. Variety: Cappelle.

NOTES: (1) Plant counts were made on 8 Apr, 1968.

(2) For previous years' results see 'Results' 65/C/24, 66/C/15, 67/C/11.

Standard errors per plot. Grain:

Whole plot: 2.64 or 10.4% (4 d.f.)

Sub plot: 2.57 or 10.1% (6 d.f.)

68/c/9.2

SUMMARY OF RESULTS

GRAIN

	M	MA	SAP	Mean
	(1) and (2)			(±0.86)
0	30.3	28.0	18.7	25.7
I	32.0	32.8	11.1	25.3
Mean (±1.53)	31.2	30.4	14.9	25.5

- (1) (±1.85) For use in horizontal and diagonal comparisons only
- (2) (±1.49) For use in vertical and interaction comparisons only

Mean D.M. %: 84.1