

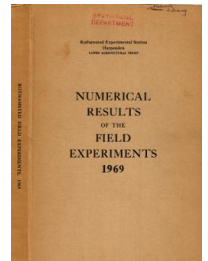
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



69/R/CS/22 - Soil Sterilants - Winter Wheat

Rothamsted Research

Rothamsted Research (1970) *69/R/CS/22 - Soil Sterilants - Winter Wheat* ; Numerical Results Of The Field Experiments 1969, pp 170 - 171 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

WINTER WHEAT

(69/R/CS/22)

Soil sterilants, residual effects 1969, Claycroft, the third year. For previous years' results see 'Results' 67/C/29 and 68/C/22.

Design: 2 replicates of 10 x 2 in 4 blocks of 10 plots.

Area of each plot: 0.0030. Area harvested: 0.0016.

Treatments: All combinations of:-

1. Treatment sequences (soil sterilants):- As 1968.
Residual effects only were tested in 1969, no further soil sterilants or rotary cultivations were applied.
2. Nitrogen: 0.5(N1), 1.0(N2) cwt N as 'Nitro-Chalk',
N1 on plots that received N0 in 1967 and 1968, N2 after N1.

Basal applications: 2.5 cwt (0:20:20) combine drilled.
Mecoprop at 42 oz and 2,4-D at 10.5 oz in 20 gals.

Cultivations, etc.: Ploughed: 5 Oct, 1968. Seed drilled at 180 lb: 17 Oct. 'Nitro-Chalk' applied: 19 Apr, 1969.
Weedkiller applied: 5 May. Combine harvested: 30 Aug.
Variety: Cappelle.

NOTES: (1) Plant samples were taken for disease counts.
(2) Plots treated with D-D in 1968 had no plants with deformed ears in 1969.

Standard error per plot.

Grain, cwt: 2.45 or 4.4% (18 d.f.)

SUMMARY OF RESULTS

GRAIN:CWT

Treatment	O	O	F	F	R	R	Z	Z	D	D	Mean
1967											
1968											
											(±0.55)
											(±1.73)
NO	49.8	48.6	48.8	52.6	51.0	51.8	50.6	53.4	53.6	51.6	51.2
NI	58.1	60.0	58.5	59.4	59.0	59.0	59.9	59.0	58.7	59.8	59.1
Mean (±1.23)	53.9	54.3	53.6	56.0	55.0	55.4	55.3	56.2	56.2	55.7	55.2

Mean D.M.%: 82.0