

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/W/CS/21 - Nematicides (Ploughsole Dd) - Barley

Rothamsted Research

Rothamsted Research (1970) *69/W/CS/21 - Nematicides (Ploughsole Dd) - Barley* ; Numerical Results Of The Field Experiments 1969, pp 168 - 169 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

RESIDUES OF NEMATOCIDES (FORMERLY PLOUGHSOLE D-D.)

(69/W/CS/21)

The residual effect of nematocides on barley after sugar beet -
Woburn Butt Furlong, 1969, the third year.

For treatments, previous years' results, etc., see 'Results'
67/C/40 and 68/C/33.

Design: 2 blocks of 3 plots split into 16.

Area of each sub plot: 0.0045. Area harvested: 0.0015.

Treatments: All combinations of:-

Whole plots: 1. Residues of Nitrogen 1968: None (N0),
1.0 (N1) 2.0 cwt N (N2) as 'Nitro-Chalk'.

Strips of

Quarter plots: 2. Residues of D-D. 1967: None (D0) 65 (D1)
140 (D2), 250 lb D-D. (D3).

Strips of four quarter plots at right angles to quarter plots of
factor 2:

3. Residues of fumigants 1968 (F): None (F0),
82 lb Telone (F1) 22.2 lb of 5% granules
Lannate (F2), 10.6 lb of 10% granules
Temik (F3).

Basal applications: 400 lb (20:10:10) Weedkiller: Ioxynil
octanoate, bromoxynil octanoate, iso-octyl ester of dichlorprop
('Oxytril P' at 1 pint in 25 gals).

Cultivations, etc: Ploughed: 17 Jan, 1969. Seed drilled at 140 lb:
11 Mar. Weedkiller applied: 14 May. Combine harvested: 7 Aug.
Variety: Zephyr.

Standard errors per plot. Grain, cwt:

For D & ND	7.89 or 13.3% (9 d.f.)
For F & NF	7.59 or 7.1% (9 d.f.)
For DF & NDF	3.59 or 8.1% (27 d.f.)

SUMMARY OF RESULTS

GRAIN: CWT

	DO	D1	D2	D3	O	D	L	T	Mean
	(±2.08)*				(±2.68)*				
NO	42.3	44.0	42.8	42.4	45.2	41.3	44.2	40.6	42.8
N1	44.8	47.6	41.7	40.2	46.4	36.8	45.9	45.1	43.6
N2	44.1	43.3	50.6	48.0	49.2	45.7	45.3	45.8	46.5
					(±1.47)				(±1.20)
				DO	45.4	41.3	45.4	42.9	43.7
				D1	47.1	41.2	46.1	45.3	44.9
				D2	46.7	42.5	46.4	44.5	45.0
				D3	48.7	40.0	42.6	42.8	43.5
Mean (±1.55)					47.0	41.3	45.1	43.9	44.3

Mean D.M.%: 84.9

* For use in horizontal and interaction comparisons only.