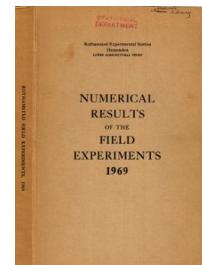


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Numerical Results of the Field Experiments 1969

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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 NEMATICIDES (FORMERLY PLOUGHSOLE D-D.)

(69/W/CS/21)

The residual effect of nematicides 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 (0),
82 lb Telone (D) 22.2 lb of 5% granules
Lannate (L), 10.6 lb of 10% granules
Temik (T).

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

	D0	D1	D2	D3	D	L	T	Mean
	(±2.08)*				(±2.68)*			
N0	42.3	44.0	42.8	42.4	45.2	41.3	44.2	40.6
N1	44.8	47.6	41.7	40.2	46.4	36.8	45.9	45.1
N2	44.1	43.3	50.6	48.0	49.2	45.7	45.3	45.8
					(±1.47)			(±1.20)
	D0	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.