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70/W/CS/45 Nematicides in Rows - Barley

Rothamsted Research

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NEMATOCIDES IN ROWS

(70/W/CS/45)

Residual effects of nematocides in rows and irrigation, applied to sugar beet 1969 - Woburn Butt Close II 1970, barley second year. For previous year's results see 'Results' 69/W/CS/45.

Design: 3 blocks of 2 plots split into 8.

Area of each sub plot: 0.0069. Area harvested: 0.0069.

Treatments: All combinations of:-

1. Whole plots: Residue of irrigation 1969: None (0), full (C).
2. Sub plots: Residues of nematocides 1969: None (D0), 56 (D2), 84 (D3), 112 lb (D4) 'D-D' placed in rows before drilling. 56 lb (T) 'Telone' placed in rows before drilling, 1.5 (K1), 3.0 (K2), 4.0 lb (K3) aldicarb placed in rows at drilling.

NOTE: The nitrogen test to beans in 1968 is now ignored.

Basal applications: 400 lb (20:10:10). Weedkiller: Ioxynil at 7.5 oz plus mecoprop at 22.5 oz in 25 gals.

Cultivations, etc.: Ploughed: 29 Dec, 1969. Power harrowed: 26 Mar, 1970. Seed combine drilled at 140 lb: 27 Mar. Weedkiller applied: 16 May. Combine harvested: 25 Aug. Variety: Julia.

Standard error per sub plot.

Grain, cwt: 2.18 or 8.1% (28 d.f.)

70/W/CS/45

SUMMARY OF RESULTS

GRAIN: CWT

	D0	D2	D3	D4	T	K1	K2	K4	Mean
	(±1.26)*								
D	27.4	29.2	24.2	27.5	29.7	25.9	28.6	25.7	27.3
C	25.5	26.6	26.3	24.5	26.9	27.7	24.4	29.4	26.4
Mean (±0.89)	26.4	27.9	25.3	26.0	28.3	26.8	26.5	27.6	26.9

Mean D.M. %: 83.6

* For use in horizontal and interaction comparisons only