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69/W/CS/20 - Placement of Fumigant - Potatoes

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PLACEMENT OF FUMIGANT FOR POTATOES

(69/W/CS/20)

Economic row fumigation for control of potato cyst-nematode - Woburn
Butt Furlong 1969 third year.

For treatments etc., see 'Results' 68/C/27 and for previous years'
results see 'Results' 67/C/34 and 68/C/27. In 1969 the treatments
were repeated exactly as in 1968.

Area of each plot 0.0024. Area harvested: 0.0024.

Basal applications: 10 cwt (13:13:20). Weedkiller: Paraquat at 0.37 lb
ion plus linuron 0.5 lb in 25 gals. Fungicide: Mancozeb at 1.2 lb
in 37 gals on three occasions. Insecticide: Demeton-s-methyl at 3.5 oz
in 37 gals on one occasion with fungicide.

Cultivations, etc.: Ploughed: 14 Oct, 1968. Basal NPK applied, rotary
cultivated, ridged: 1 Apr, 1969. DD applied, reridged: 2 Apr.
Potatoes planted: 5 May. Weedkiller applied: 16 May. Fungicide
applied: 18 July, 7 Aug, 27 Aug. Insecticide applied: 18 July.
Lifted: 18 Sept. Variety: Majestic.

NOTE: Soil samples were taken in April before DD was applied and
again in May for cyst counts.

Standard error per plot.

Total tubers, tons: 1.068 or 12.0% (8 d.f.)

SUMMARY OF RESULTS

D0	D1	D2	D4	D8	Mean
TOTAL TUBERS: TONS					
(± 0.617)					
6.98	7.25	7.87	10.25	12.16	8.90
% WARE					
64.7	64.3	70.7	74.2	75.3	69.8