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Numerical Results of the Field Experiments 1969

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69/W/CS/29 - Forms of Magnesium - Potatoes

Rothamsted Research

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FORMS OF MAGNESIUM

(69/W/CS/29)

Effect of forms of magnesium fertiliser on potatoes - Woburn Stackyard C, 2nd year.

For details of treatments etc. and previous year's results see 'Results' 68/C/35. Mg and limestone treatments are cumulative.

Area of each plot: 0.0067. Area harvested: 0.0030.

Basal applications: 1120 lb (13:13:20). Weedkiller: Linuron at 0.5 lb plus paraquat at 0.37 lb in 25 gals. Fungicide: Mancozeb at 1.2 lb in 37 gals, on three occasions. Insecticide: Demeton-s-methyl at 3.5 oz applied once with fungicide.

Cultivations, etc.: Ploughed: 7 Feb, 1969. Mg and limestone treatments applied: 5 Mar. NPK applied: 11 Apr. Rotary cultivated, potatoes planted: 17 Apr. Weedkiller applied: 15 May. Rotary ridged: 16 June. Fungicide plus insecticide applied: 18 July. Fungicide applied: 6 Aug, 26 Aug. Lifted: 23 Sept. Variety: King Edward.

Standard error per plot.

Total tubers, tons: 1.310 or 11.8% (21 d.f.)

SUMMARY OF RESULTS

O	D2	E	C1	C2	DL	I2	EL	Mean
TOTAL TUBERS: TONS								
(±0.655)								
9.73	11.84	10.51	10.17	10.36	12.50	11.25	12.08	11.06
% WARE								
76.1	79.8	74.8	77.8	75.0	80.1	80.9	80.0	78.1