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Yields of the Field Experiments 1954

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54/R/CF/1 Broccoli - Effect of Manuring on Virus Spread

Rothamsted Research

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54/Cf/1

BROCCOLI

Effect of manuring on Virus spread - Stackyard Field 1954.

System of replication: 5 randomized blocks of 6 plots each.

Area of each plot: 0.0167 acre. Area harvested: 0.0116 acre.

Treatments: All combinations of:

Hoof: None; 5; 10 cwt per acre.

Dung: None; 20 tons per acre.

Basal dressing, per acre: 4 cwt superphosphate and 2 cwt muriate of potash.

Cultivations, etc.: Ploughed: Oct 22, 1952. Dung applied: Mar 5, 1953.
 Ploughed: Mar 9. Hoof applied: June 12. Basal fertilizers applied, broccoli planted: June 15. Harvested: Various days Apr 1954 - May 1954. Variety: St. George. Previous crop: Wheat.

Standard error per plot:

No. of saleable curds: 0.681 thousands per acre or 26.7% (20 d.f.)

Summary of Results

Dung: tons per acre	Hoof: cwt per acre			Mean
	None	5	10	
No. of saleable curds: thousands per acre				
	(±0.305)			
None	3.17	2.93	1.93	2.67
20	2.93	2.36	1.98	2.42
Mean	(±0.215) 3.05	2.64	1.95	2.55
Difference	(±0.431) -0.24	-0.57	+0.05	-0.25 (±0.249)

Weight per saleable curd: lb

None	0.84	0.89	0.75	0.83
20	0.83	0.90	0.81	0.85
Mean	0.84	0.90	0.78	0.84
Difference	-0.01	+0.01	+0.06	+0.02

Percentage of plants surviving at harvest

None	69.4	65.0	51.0	61.8
20	63.8	57.0	47.9	56.2
Mean	66.6	61.0	49.4	59.0
Difference	-5.6	-8.0	-3.1	-5.6

General means: Total no. of curds: 4.99 thousands per acre

Plant no. at harvest: 7.64 " " "

Percentage saleable curds out of total no. of curds: 50.1.

Records of incidence of Cauliflower Mosaic were made.