

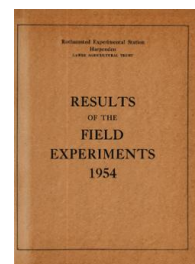
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1954

[Full Table of Content](#)



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

Rothamsted Research

Rothamsted Research (1955) *54/R/CF/1 Broccoli - Effect of Manuring on Virus Spread* ; Yields Of The Field Experiments 1954, pp 92 - 92 - DOI: <https://doi.org/10.23637/ERADOC-1-184>

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.