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Yields of the Field Experiments 1955

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55/R/CF/1 Broccoli - Virus Spread (Dung and N)

Rothamsted Research

Rothamsted Research (1956) *55/R/CF/1 Broccoli - Virus Spread (Dung and N)* ; Yields Of The Field Experiments 1955, pp 100 - 100 - DOI: <https://doi.org/10.23637/ERADOC-1-175>

55/cf/1

BROCCOLI

Effect of dung and nitrogen on Virus spread - Great Knott I, 1955.

Design: 6 x 6 Latin square.

Area of each plot: 0.0207 acre. Area harvested: 0.0143 acre.

Treatments: All combinations of:-

Dung: None; 20 tons per acre.

Nitrogen: None; 0.6; 1.2 cwt N per acre applied as nitrochalk, half before planting, half in spring.

Basal dressing per acre: 4 tons ground chalk; 4 cwt superphosphate and 2 cwt muriate of potash.

Cultivations, etc.: Ploughed: Sept 30, 1953 and again Dec 7. Chalk applied: Feb 24, 1954. Ploughed: Feb 28. Dung applied, ploughed: June 4. Basal fertilizers applied: June 19. 1st application of nitrochalk: July 12. Planted: July 16. Gaps replanted: July 27, Aug 6, Aug 13, Aug 27, Aug 31. 2nd application of nitrochalk: Mar 17, 1955. Harvested: Apr 26 to May 5. Variety: Continuity. Previous crop: Wheat.

Note: The replanted broccoli failed.

Standard error per plot,

No. of saleable curds: 0.543 thousands per acre or 20.9% (20 d.f.)

Summary of Results

Dung: tons per acre	N: cwt per acre			Mean
	None	0.6	1.2	

Number of saleable curds: thousands per acre

(±0.222)

None	2.66	2.69	2.44	2.60
20	2.11	3.01	2.69	2.61
Mean (±0.157)	2.39	2.85	2.57	2.60
Difference (±0.314)	-0.55	+0.32	+0.25	+0.01 (±0.181)

Weight per saleable curd: lb

None	1.28	1.27	1.45	1.33
20	1.44	1.42	1.56	1.48
Mean	1.36	1.35	1.50	1.40
Difference	+0.16	+0.15	+0.11	+0.15

General means: Total no. of curds: 4.57 thousands per acre
 Percentage saleable curds out
 of total no. of curds: 56.6

Records of incidence of cauliflower mosaic were made.