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# Yields of the Field Experiments 1951

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## 51/CF/1 Kale - Fertilizer Placement - Rothamsted

### Rothamsted Research

Rothamsted Research (1952) *51/CF/1 Kale - Fertilizer Placement - Rothamsted* ; Yields Of The Field Experiments 1951, pp 85 - 85 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Cf/1

KALE

Fertilizer placement - Highfield 4 1951.

System of replication: 3 randomized blocks of 6 plots each.

Area of each plot: 0.0152 acre. Area harvested: 0.0076 acre.

Treatments: None (duplicate plots) and all combinations of:-  
Compound granular fertilizer ( $13\frac{3}{4}\%$   $P_2O_5$ ,  $13\frac{3}{4}\%$   $K_2O$ ): 2.65;  
5.30 cwt per acre.

Method of placement: Broadcast; Drilled 2" to side of seed.

Basal manuring: 5 cwt nitrochalk per acre.

Cultivations, etc.: Ploughed: Mar 1. Ground chalk, 24 cwt per acre applied: Apr 18. Nitrochalk drilled, fertilizer broadcast: May 7. Seed drilled at 8 lb. per acre with fertilizer: May 7. Sprayed with DDT emulsion 4 pints per acre against fleabeetle: May 25. Dusted with DDT  $\frac{1}{2}$  cwt per acre against cabbage white caterpillar: July 17. Cut: Nov 22. Variety: Thousand Head. Previous crop: Permanent Grass.

Standard error per plot:

Total yield: 1.84 tons per acre or 10.1% (11 d.f.)

Summary of Results

Method of placement	Compound fertilizer: cwt per acre			Mean
	None	2.65	5.30	

	Total yield: tons per acre			
	(±1.06)		(±0.75)	
Broadcast	19.19	17.56	18.38	
Drilled 2" to side of seed	18.46	19.58	19.02	
Mean (±0.75)	17.25	18.83	18.57	18.22

Plant number: thousands per acre (1 Block only)

Broadcast	95.3	117.7	106.5	
Drilled 2" to side of seed	74.7	90.8	82.8	
Mean	60.1	85.0	104.3	83.1