

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 1955

[Full Table of Content](#)



55/R/CG/1 Kale - Placement of N P and K

Rothamsted Research

Rothamsted Research (1956) *55/R/CG/1 Kale - Placement of N P and K* ; Yields Of The Field Experiments 1955, pp 101 - 101 - DOI: <https://doi.org/10.23637/ERADOC-1-175>

55/Cg/1

KALE

Placement of nitrogen, phosphate and potash - Great Harpenden II 1955.

Design: 4 randomized blocks of 10 plots each.

Area of each plot: 0.00909 acre. Area harvested: 0.00727 acre.

Treatments: None (2 plots per block) and all combinations of
Fertilizer: P; K; PK; NPK.

Method of application: Broadcast in seed bed; Drilled in band 2"
to side of seed and 3" below soil surface

where N = 0.4 cwt N per acre as sulphate of ammonia.
P = 0.6 cwt P₂O₅ per acre as superphosphate.
K = 1.0 cwt K₂O per acre as sulphate of potash.

In addition top dressings were applied:-

To "NPK" plots: 0.4 cwt N per acre as sulphate of ammonia.
To all other plots: 0.8 cwt N per acre as sulphate of ammonia.

Basal dressing: 7 cwt ground chalk per acre.

Cultivations, etc.: Ploughed: Oct 12, 1954. Ground chalk applied:
Apr 6, 1955. Broadcast fertilizers applied: Apr 20. Seed
drilled at 4 lb per acre with sideband fertilizer: Apr 21. Top
dressing applied: July 5. Cut: 2 blocks, Nov 29; remainder, Dec 6.
Variety: Marrow-stem. Previous crop: Barley.

Standard error per plot:

Yield: 1.55 tons per acre or 13.2% (28 d.f.)

Summary of Results

Yield: tons per acre

N Top dressing: cwt per acre Treatments at sowing	0.8				0.4	Mean
	None	P	K	PK	NPK	
<u>Method of application</u>	(±0.774)					
Broadcast		12.15	12.14	10.93	11.36	11.64
Drilled		12.11	11.49	12.77	11.82	12.05
Mean (±0.547)	11.13	12.13	11.82	11.85	11.59	11.70
Difference (±1.094)		-0.04	-0.65	+1.84	+0.46	+0.41 (±0.547)