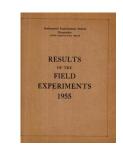
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# Yields of the Field Experiments 1955



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## 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 P<sub>2</sub>0<sub>5</sub> per acre as superphosphate.
K = 1.0 cwt K<sub>2</sub>0 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	None	0. P	.8 K	PK	0.4 NPK	Mean
Method of application	(±0.774)					
Broadcast Drilled		12 <b>.</b> 15 12 <b>.</b> 11	12.14 11.49	10.93 12.77	11.36 11.82	11.64
Mean (±0.547) Difference (±1.094)	11.13	12.13	11.82 -0.65	11.85	11.59	11.70 +0.41 (±0.547)