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## Yields of the Field Experiments 1953

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### 53/CB/2 Barley - Nitrophosphates and Fertilizers - Rothamsted

#### Rothamsted Research

Rothamsted Research (1954) *53/CB/2 Barley - Nitrophosphates and Fertilizers - Rothamsted* ; Yields Of The Field Experiments 1953, pp 80 - 80 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Cb/2

BARLEY

Nitrophosphate and fertilizers broadcast or drilled - Highfield 5 1953.

System of replication: 4 randomized blocks of 8 plots each.

Area of each plot: 0.0194 acre.

Treatments:

Sulphate of ammonia broadcast; Nitrochalk broadcast; Nitrophosphate (British) broadcast or drilled; Compound fertilizer (9% N; 9% P<sub>2</sub>O<sub>5</sub>) broadcast or drilled; Nitrochalk and superphosphate mixture broadcast or drilled. All fertilizers were applied at rates to give 0.5 cwt N and 0.5 cwt. P<sub>2</sub>O<sub>5</sub> per acre.

Basal dressing: 94 lb sulphate of potash per acre.

Cultivations, etc.: Ploughed: Sept 24, 1952 and again Jan 20, 1953.

Seed drilled at 3 bushels per acre, fertilizers applied: Mar 9.

Combine harvested: Aug 19. Variety: Herta. Previous crop: Linseed.

Standard error per plot:

Grain (at 85% D.M.): 2.74 cwt per acre or 3.7% (20 d.f.)

Note: The yield of grain (at 85% D.M.) has been adjusted to allow for tractor damage to two plots.

Summary of Results

Sulphate of ammonia Broadcast	Nitro- chalk Broadcast	Nitrophosphate (British)		National Compound No. 9		Nitrochalk and Superphosphate		Mean
		Broad- cast	Drilled	Broad- cast	Drilled	Broad- cast	Drilled	

Grain (at 85% Dry Matter): cwt per acre

Mean (±1.37)	30.3	29.5	31.0	30.0	31.5	33.6	33.3	32.2	31.4
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Mean D.M.%: 79.8