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# Yields of the Field Experiments 1953



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# 53/CB/1 Barley - Late Application of Nitrogen - Rothamsted

## **Rothamsted Research**

Rothamsted Research (1954) 53/CB/1 Barley - Late Application of Nitrogen - Rothamsted; Yields Of The Field Experiments 1953, pp 79 - 79 - DOI: https://doi.org/10.23637/ERADOC-1-173

53/Ob/1

#### BARLEY

Late application of nitrogen - Deacons. Field 1953.

System of replication: 4 randomized blocks of 3 plots each.

Area of each plot: 0.0204 acre.

## Treatments:

Nitrogen: None; 0.23; 0.46 cwt per acre applied as mitrochalk top dressing.

Basal dressing per acre: 24 cwt sulphate of ammonia, 1 cwt superphosphate.

Cultivations, etc.: Ploughed: Feb 5. Seed drilled at 3 bushels per acre with Superphosphate: Mar 7. Sulphate of ammonia applied: Mar 9. Nitrochalk applied: June 25. Harvested: Aug 13. Variety: Herta. Previous crop: Potatoes.

Standard error per plot:

Grain: 0.582 cwt per acre or 1.4% (6 d.f.)

# Summary of Results

		(as nitroch g): cwt per		Mean	
Yield: cwt per acre					
Grain (±0.29)	38.6	40.3	42.0	40.3	
Straw	39.8	39.3	40.8	40.0	
	Crude protei	n: cwt per	acre		
Grain Increase	3.74	4.26 0.52	4.63 0.89		
Straw Increase	0.80	0.96	1.22		
P	ercentage upta	ke of added	n itrogen		
Grain	1	36	31		
Straw		11	14		

<sup>\*</sup>Corrected to 85% dry matter. Mean dry matter %:85.1.