

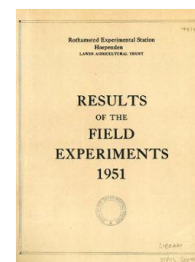
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1951

[Full Table of Content](#)



### 51/CH/1 Permanent Grass - Fertilizer Placement - Rothamsted

#### Rothamsted Research

Rothamsted Research (1952) *51/CH/1 Permanent Grass - Fertilizer Placement - Rothamsted* ; Yields Of The Field Experiments 1951, pp 89 - 89 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Ch/1

PERMANENT GRASS

Fertilizer placement - Highfield 9 1951.

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

Area of each plot: 0.0152 acre.

Treatments: No fertilizer; no fertilizer but plots drilled over to assess damage to sward; and all combinations of:-

Compound granular fertilizer (15% P<sub>2</sub>O<sub>5</sub>, 13<sup>3</sup>/<sub>4</sub>% K<sub>2</sub>O): 3.3; 6.6 cwt per acre.

Method of placement: Broadcast; Drilled.

Basal dressing: 3 cwt Nitrochalk per acre.

Cultivations, etc.: Fertilizer applied: Mar 28. Cut: June 19 and weighed green.

Standard error per plot:

Grass, dry matter: 2.49 cwt per acre or 7.9% (10 d.f.)

Summary of Results

Method of placement	Grass, dry matter: cwt per acre			Mean
	Compound fertilizer: cwt per acre			
	None	3.3	6.6	
		(±1.43)		(±1.01)
Broadcast	28.4 <sup>†</sup>	34.6	35.5	35.0*
Drilled	27.4 <sup>†</sup>	31.2	31.2	31.2*
Mean (±1.01)	27.9	32.9	33.3	31.4
Difference (±2.03)	-1.0	-3.4	-4.3	-3.8* (±1.43)

<sup>†</sup> See Treatment descriptions

\* Excluding 'None'

Mean Dry Matter %: 22.7