

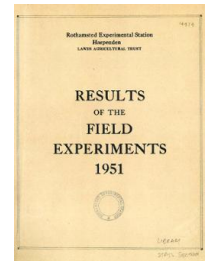
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Yields of the Field Experiments 1951

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51/CH/2 Permanent Grass - Nitrophosphates - Rothamsted

Rothamsted Research

Rothamsted Research (1952) *51/CH/2 Permanent Grass - Nitrophosphates - Rothamsted* ; Yields Of The Field Experiments 1951, pp 90 - 90 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Ch/2

PERMANENT GRASS

Nitrophosphates - Highfield 9 1951.

System of replication: 6 x 6 Latin square.

Area of each plot: 0.0102 acre

Treatments: None; Sulphate of ammonia; Superphosphate; Sulphate of ammonia and superphosphate; British nitrophosphate (12.8% N, 15.25% P_2O_5); Dutch nitrophosphate (20% N, 20.3% P_2O_5). The dressings supply 0.39 cwt N and 0.39 cwt P_2O_5 per acre, the British nitrophosphate receiving extra N to reach this standard.

Basal manuring: $1\frac{1}{3}$ cwt muriate of potash per acre.

Cultivations, etc.: Fertilizer applied: Mar 28. Cut: July 3.

Standard errors per plot:

Hay, dry matter: 1.52 cwt per acre or 5.4% (20 d.f.)

 P_2O_5 uptake: 0.00803 cwt per acre or 6.7% (20 d.f.)Summary of Results

	No fert- ilizer	Sulphate of Ammonia	Super- phosphate	Sulphate of Ammonia and Super- phosphate	British Nitro- phosphate	Dutch Nitro- phosphate	Mean
Hay, dry matter: cwt per acre							
Mean (± 0.62)	24.9	29.9	23.5	30.5	29.6	29.8	28.1
Increase (± 0.88)		5.0	-1.4	5.6	4.7	4.9	
P_2O_5 uptake: cwt per acre							
Mean (± 0.0033)	0.101	0.115	0.109	0.137	0.125	0.134	0.120
Increase (± 0.0046)		0.014	0.008	0.036	0.024	0.033	

Mean Dry Matter %: 72.6