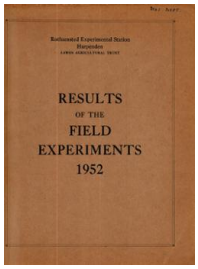
ROTHAMSTED RESEARCH

Yields of the Field Experiments 1952

Full Table of Content



52/CG/1 Permanent Grass - Nitophosphates - Rothamsted

Rothamsted Research

Rothamsted Research (1953) *52/CG/1 Permanent Grass - Nitophosphates - Rothamsted ;* Yields Of The Field Experiments 1952, pp 97 - 97 **- DOI: https://doi.org/10.23637/ERADOC-1-178**

52/Cg/1

PERMANENT GRASS

Residual of nitrophosphates - Highfield 9 1952.

System of replication: 6 × 6 Latin Square.

Area of each plot: 0.0102 acre. Area harvested: 0.0093 acre.

Treatments, applied 1951: 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 dressing: 1⅓ cwt muriate of potash per acre.

Cultivations, etc.: Muriate of potash applied: Mar 12. Cut: June 19 and weighed green.

Standard errors per plot:
Hay, dry matter: 1.97 cwt per acre or 5.2% (20 d.f.)
P_2O_5 uptake: 0.00822 cwt per acre or 4.7% (20 d.f.)

Summary of Results

	Fertilizers applied 1951						
	None	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 (±0.80)	37.3	37.0	38.7	37.1	39.2	38.8	38.0
Increase (±1.14)		-0.3	+1.4	-0.2	+1.9	+1.5	
P_2O_5 uptake: cwt per acre							
Mean (±0.0034)	0.163	0.160	0.184	0.172	0.174	0.187	0.173
Increase (±0.0047)		-0.003	+0.021	+0.009	+0.011	+0.024	

Mean Dry Matter %: 39.6

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