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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% P₂O₅, 13³/₄% K₂O): 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 [†]	34.6	35.5	35.0*
Drilled	27.4 [†]	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)

[†] See Treatment descriptions

* Excluding 'None'

Mean Dry Matter %: 22.7