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Yields of the Field Experiments 1964

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64/R/DG/2 Grass - N and K

Rothamsted Research

Rothamsted Research (1965) *64/R/DG/2 Grass - N and K* ; Yields Of The Field Experiments 1964, pp 241 - 242 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/Dg/1.1

GRASS

Effect of N-serve on old grass - Highfield odds and ends VII, 1964.

Design: 4 randomised blocks of 12 plots each.

Area of each plot: 0.0008. Area harvested: 0.0005.

Treatments: None, (2 plots per block) - (0), and all combinations of:-

1. Levels of N: 100 lb (L1), 200 lb (L2).
2. Kinds of fertiliser: Ammonium nitrate (AN), urea nitrate (UN), ammonium sulphate (AS) with N-serve at none (NS0), 1 (NS1) or 2 (NS2) per cent of the N applied.

Basal dressing: 0:14:28 to supply 25 lb P2O5 and 50 lb K2O.

Cultivations, etc.: Fertilisers and N-serve applied: Mar 19, 1964.

Cut twice: May 20 and July 7.

NOTE: Samples were taken for dry matter and nitrogen determination.

Standard errors per plot. Dry matter:

1st cut: 3.06 or 9.4% (33 d.f.)

2nd cut: 3.35 or 16.0% (33 d.f.)

Total of 2 cuts: 4.77 or 8.9% (33 d.f.)

64/Dg/1.2

SUMMARY OF RESULTS

	O	AN	UN	ASNSO	ASNS1	ASNS2	Mean
	1ST CUT						
	(±1.53)						(±0.68)
L1		34.6	31.1	36.6	36.1	33.8	34.4
L2		42.1	29.9	41.4	39.4	42.1	39.0
Mean (±1.08)	12.5	38.4	30.5	39.0	37.8	38.0	32.7*

Mean D.M. %: 16.1

2ND CUT

	(±1.67)						(±0.75)
L1		18.4	19.4	18.1	16.9	16.7	17.9
L2		21.9	23.3	25.0	23.6	24.5	23.7
Mean (±1.18)	21.7	20.1	21.3	21.5	20.2	20.6	20.9*

Mean D.M. %: 24.5

TOTAL OF 2 CUTS

	(±2.39)						(±1.07)
L1		53.0	50.5	54.7	53.0	50.5	52.3
L2		64.0	53.1	66.3	63.0	66.7	62.6
Mean (±1.69)	34.3	58.5	51.8	60.5	58.0	58.6	53.6*

Mean D.M. %: 20.3

* General mean