

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 1964

[Full Table of Content](#)



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