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Yields of the Field Experiments 1965

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65/R/AF/C/6 Levels of N and K - Grass 8th Year

Rothamsted Research

Rothamsted Research (1966) *65/R/AF/C/6 Levels of N and K - Grass 8th Year* ; Yields Of The Field Experiments 1965, pp 139 - 140 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/C/6.1

GRASS

(AF)

Levels of N and K - Harwoods Piece 1965, the 8th year.

For treatments etc. see 'Results' 63/C/7 and for previous years' results see 58/Cg/2, 59/Cg/2, 60/Ci/1, 61/Dg/1, 62/C/11, 63/C/7 and 64/C/6.

Area of each plot: 0.0087. Area harvested: 0.0059.

The 1964 sowing was abandoned and the plots resown with Meadow Fescue S53 at 24 lb and Scots Timothy at 16 lb.

Cultivations, etc.: Rotary cultivated: Apr 5, 1965. First N and K dressings applied: Apr 7. Grass resown: Apr 26. Sprayed with 2,4-D butoxyethylester at 7 oz a.e. in 40 gals: June 2. Cut twice: July 21, Oct 4. N and K applied after first cut.

NOTE: Samples were taken for yield and N, P and K determinations.

Standard errors per plot. Dry matter:

1st cut: 2.38 or 9.7% (33 d.f.)

2nd cut: 4.10 or 13.3% (33 d.f.)

Total of 2 cuts: 5.34 or 9.6% (33 d.f.)

65/c/6.2

SUMMARY OF RESULTS

DRY MATTER

N	0	1	1	1	2	2	2	3	3	3	3	3	Mean
P	1	1	1	1	1	1	1	1	1	1	0	2	
K	0	0	1	2	0	1	2	0	1	2	2	2	

1ST CUT

13.7 21.4 23.5 23.4 22.1 25.6 26.2 21.9 28.3 28.2 29.2 29.7 | 24.4
(±1.19)

Mean D.M. %: 15.7

2ND CUT

19.7 28.7 29.5 27.8 32.9 34.7 33.6 31.8 30.4 33.3 36.9 32.3 | 31.0
(±2.05)

Mean D.M. %: 20.2

TOTAL OF 2 CUTS

33.4 50.1 53.0 51.2 55.0 60.3 59.9 53.8 58.6 61.5 66.1 62.0 | 55.4
(±2.67)

Mean D.M. %: 18.0

Treatment symbols:

N 0 1 2 3 0.0 0.3 0.6 0.9 cwt N as 'Nitro-Chalk' 21
P 0 1 2 0.0 0.6 1.2 cwt P2O5 as Granular Superphosphate
K 0 1 2 0.0 0.3 0.6 cwt K2O as Granular Muriate of Potash.