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## Numerical Results of the Field Experiments 1969

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### 69/R/CS/2 - Grazed Reference Plots - Old Grass

#### Rothamsted Research

Rothamsted Research (1970) *69/R/CS/2 - Grazed Reference Plots - Old Grass* ; Numerical Results Of The Field Experiments 1969, pp 129 - 130 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

GRAZED REFERENCE PLOTS

(69/R/CS/2)

Highfield IX.

For details of previous years' results see 'Results' 65/B/2, 66/B/2, 67/B/2, 68/B/3.

Cultivations, etc.: P and K applied, ground chalk applied to appropriate plots: 20 Nov, 1968. First N dressing applied: 4 Mar, 1969. Sample cuts taken: 5 May, 26 June, 4 Sept, 29 Oct. Sampling cages moved after each cut. N dressings applied to all blocks after each cut except the last.

- NOTES: (1) Only two blocks were cut on each occasion the other two being grazed.  
(2) The percentage of N, P and K in the dry grass were measured.  
(3) Visual estimates were made of the percentage surface area covered by clover leaves.  
(4) Soil samples were taken for determination of P, K and pH.

Standard errors per plot. Grass dry matter, cwt:

- 1st cut: 2.60 or 26.6% (13 d.f.)  
2nd cut: 4.05 or 9.7% (13 d.f.)  
3rd cut: 2.68 or 7.0% (13 d.f.)  
4th cut: 2.72 or 26.7% (13 d.f.)

SUMMARY OF RESULTS

GRASS: DRY MATTER: CWT

	1st cut	2nd cut	3rd cut	4th cut	Total of 4 cuts
PK	(±1.84)	(±2.86)	(±1.89)	(+1.92)	
NO 00	7.5	32.5	34.8	9.7	84.5
N1 00	6.5	38.5	41.9	7.3	94.2
A1 00	9.2	42.4	36.9	7.9	96.4
NO 10	8.4	33.6	34.4	11.8	88.2
N1 10	9.5	46.8	38.0	13.6	107.9
A1 10	10.9	45.6	33.5	12.1	102.1
NO 01	6.7	32.2	31.1	9.7	79.7
N1 01	13.1	42.8	42.3	8.5	106.7
A1 01	8.5	35.7	41.4	7.5	93.1
NO 11	11.6	29.7	33.2	9.5	84.0
N1 11	12.0	52.4	41.2	16.2	121.8
A1 11	13.7	49.8	35.2	11.7	110.4
N2 11	8.9	56.0	47.7	9.7	122.3
A2 11	10.7	48.9	44.5	7.3	111.4
Mean	9.8	41.9	38.3	10.2	100.2

Mean D.M. %: 1st cut: 16.3  
 2nd cut: 20.0  
 3rd cut: 25.5  
 4th cut: 24.4  
 Total of 4 cuts: 21.6