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Numerical Results of the Field Experiments 1970

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70/R/CS/2 Grazed Reference Plots - Old Grass

Rothamsted Research

Rothamsted Research (1971) *70/R/CS/2 Grazed Reference Plots - Old Grass* ; Numerical Results Of The Field Experiments 1970, pp 131 - 132 - DOI: <https://doi.org/10.23637/ERADOC-1-59>

GRAZED REFERENCE PLOTS

(70/R/CS/2)

Highfield IX, old grass 1970, the 12th year

For details of previous years' results see 'Results' 65/B/2, 66/B/2, 67/B/2, 68/B/3, 69/R/CS/2.

Area harvested: 0.0002.

Cultivations, etc.: P and K fertilisers applied, ground chalk applied to appropriate plots: 3 Dec, 1969. First N dressing applied: 16 Mar, 1970. Sample cuts taken: 8 May, 25 June, 3 Sept, 27 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 were grazed.
(2) The percentages 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.

Standard errors per plot. Dry matter, cwt:

- 1st cut: 3.30 or 17.1% (13 d.f.)
2nd cut: 4.05 or 11.1% (13 d.f.)
3rd cut: 2.69 or 8.6% (13 d.f.)
4th cut: 2.22 or 14.5% (13 d.f.)

70/R/CS/2

SUMMARY OF RESULTS

GRASS: DRY MATTER: GWT

	1st cut	2nd cut	3rd cut	4th cut	Total of 4 cuts
Blocks	1 & 3	2 & 4	1 & 3	2 & 4	
PK	(±2.33)	(±2.86)	(±1.90)	(±1.57)	
NO 00	11.7	30.0	15.5	10.1	67.3
N1 00	19.8	33.8	31.5	14.0	99.1
A1 00	12.1	37.5	32.3	14.9	96.8
NO 10	16.6	29.0	21.3	8.9	75.8
N1 10	20.5	42.0	35.5	20.7	118.7
A1 10	20.7	35.1	32.1	15.9	103.8
NO 01	10.9	33.1	27.9	11.3	83.2
N1 01	24.5	37.9	32.5	12.2	107.1
A1 01	20.1	35.5	31.0	18.9	105.5
NO 11	11.1	35.0	26.2	14.9	87.2
N1 11	22.6	43.4	33.3	17.2	116.5
A1 11	27.4	35.4	35.1	18.4	116.3
N2 11	24.4	47.9	40.4	19.5	132.2
A2 11	26.8	33.9	42.9	17.2	120.8
Mean	19.2	36.4	31.2	15.3	102.2

Mean D.M. %: 1st cut: 20.0
 2nd cut: 25.2
 3rd cut: 19.8
 4th cut: 18.4
 Total of 4 cuts: 20.9