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# Yields of the Field Experiments 1972

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

### Rothamsted Research

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72/R/CS/2

GRAZED REFERENCE PLOTS

Object: To study the residual effects of N, P and K fertilisers, applied to grazed grass 1959 - 1970, on the yield of grass from which livestock are now excluded - Highfield IX.

Sponsor: F.V. Widdowson.

The fourteenth year, old grass.

For previous years see 64/B/11(t), 65/B/2, 66/B/2(t), 67/B/2, 68/B/3, 69-70/R/CS/2 and 71/R/CS/2(t).

Whole plot dimensions: 4.57 x 7.32. Area harvested: 0.00058.

Cultivations, etc.: First basal N applied: 1 Mar, 1972. Cut three times: 22 May, 19 July, 25 Oct. Basal N applied after each of the first two cuts.

NOTE: The percentages of P and K in the dry grass were measured for each cut.

Standard errors per plot. Dry matter, tonnes/hectare:

1st cut:	0.597 or 13.5% (39 d.f.)
2nd cut:	0.254 or 6.8% (39 d.f.)
3rd cut:	0.316 or 18.9% (39 d.f.)
Total of 3 cuts:	0.711 or 7.3% (39 d.f.)

72/R/CS/2

TABLES OF MEANS

GRASS: DRY MATTER: TONNES/HECTARE

Treatment 1959-70 (T)	1st cut	2nd cut	3rd cut	Total of 3 cuts
PK				
NO 00	2.81	4.12	1.53	8.46
N1 00	2.53	3.67	1.62	7.82
A1 00	2.89	3.49	1.56	7.94
NO 10	3.90	3.36	1.79	9.05
N1 10	3.48	2.95	1.39	7.81
A1 10	3.51	2.78	1.49	7.78
NO 01	3.45	4.70	1.72	9.87
N1 01	4.21	3.98	1.84	10.03
A1 01	4.26	4.08	1.63	9.97
NO 11	6.50	3.88	1.92	12.30
N1 11	5.88	3.90	2.00	11.77
A1 11	6.69	3.58	1.65	11.92
N2 11	5.84	3.88	1.74	11.46
A2 11	5.79	3.53	1.57	10.88
Mean	4.41	3.71	1.67	9.79
STANDARD ERROR OF DIFFERENCES T	0.422	0.179	0.223	0.503
Mean D.M. %:	17.7	23.3	28.3	23.1