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Numerical Results of the Field Experiments 1968

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68/A/6 Hay the Park Grass Plots

Rothamsted Research

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68/A/6.1

HAY - THE PARK GRASS PLOTS

(PG)

For history, treatments etc. see 'Details' 1967 and 'Results' 65/A/6.

Ground chalk was applied as follows (1b CaCO₃):-

Plot	Sub-plot		
	a	b	c
1	1786	-	2800
2,3,4/1	1786	-	-
4/2	1786	1120	5040
7,8	1786	-	-
9	1786	2240	3920
10	1786	1120	4480
11/1	3572	5600	4480
11/2	3572	3360	4480
13	1786	-	1120
14,16,17	1786	-	-
18	1020	-	2240

Whole plots:-

5/1*	5490
5/2*	4930
6*	6720
18/2,19,20	1020
12	-
15	-

* Plots at present used for microplot experiments.

Cultivations, etc.: Mineral fertilisers applied: 21 Nov, 1967.

Ground chalk applied to sub-plots: 13 Dec. Ground chalk applied to whole plots: 28 Dec. Nitrogenous fertilisers applied:

1st dressing - 27 Mar, 1968, 2nd dressing - 22 Apr.

Cut twice: 11 June, 5 Nov.

SUMMARY OF RESULTS

DRY MATTER

Plot No	1st cut			Mean	2nd cut			Mean	Total of 2 cuts				Total
	a	b	c		a	b	c		a	b	c	d	
1	14.3	10.8	9.8	10.3	15.5	13.6	6.6	10.5	29.8	24.4	16.4	12.6	20.8
2	11.0	14.9	10.6	11.7	16.5	15.8	16.5	16.5	27.5	30.6	27.1	27.6	28.2
3	13.8	15.4	11.1	13.1	14.1	14.9	16.6	16.1	27.9	30.4	27.7	30.8	29.2
4-1	14.6	16.9	16.1	15.9	18.9	17.6	22.2	20.5	33.5	34.5	38.3	39.4	36.4
4-2	27.9	28.0	26.0	25.1	14.0	12.1	12.1	12.3	41.9	40.1	38.0	29.3	37.3
7	47.9	42.9	20.0	33.1	24.2	22.9	27.7	25.4	72.1	65.9	47.8	48.2	58.5
8	13.8	14.2	16.1	15.0	17.5	19.5	24.1	21.2	31.3	33.7	40.2	39.5	36.2
9	53.1	49.8	38.0	45.1	25.9	21.6	25.7	21.5	79.0	71.4	63.7	52.3	66.6
10	33.6	33.6	27.4	29.1	16.0	14.5	16.8	14.3	49.6	48.0	44.2	32.1	43.5
11-1	50.3	47.3	60.4	43.2	25.9	21.5	26.9	25.0	76.2	68.8	87.3	40.6	68.2
11-2	55.5	57.7	62.8	50.0	37.2	39.0	38.1	35.6	92.7	96.8	100.9	52.1	85.6
12	10.7	10.2	10.2	10.5	30.0	30.0	30.1	30.1	40.7	40.3			40.5
13	34.0	34.2	32.5	31.5	39.0	33.6	38.9	35.5	73.0	67.9	71.4	55.8	67.0
14	49.4	43.2	49.3	46.9	21.6	28.2	24.6	25.0	71.0	71.4	73.9	71.4	71.9
15	37.7	16.8	16.8	27.2	21.0	21.2	21.2	21.1	58.6	38.0			48.3
16	42.3	48.8	38.3	42.3	21.8	21.6	27.2	23.2	64.2	70.4	65.4	62.1	65.5
17	17.9	18.3	22.7	19.7	14.5	14.9	21.8	17.3	32.4	33.2	44.5	37.7	37.0
18-1			15.5	13.4		28.7	23.5	26.1			44.1	34.8	39.5
18-2				20.0	25.4	23.5		23.3	47.3	46.8			43.2
18-3	21.9	23.3		22.6				24.5					47.1
19-1				18.3				46.9					65.2
19-2				30.0				29.0					59.0
19-3				26.6				38.1					64.7
20-1				36.2				38.4					74.6
20-2				37.4				33.6					71.0
20-3				39.4				36.3					75.7
Mean D.M. %:				22.8	2nd cut: 21.5				Total of 2 cuts: 22.2				68/A/6.2