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## Details of the Classical and Long-term Experiments 1968-73

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### R/PG/5 Park Grass - Grass

#### Rothamsted Research

Rothamsted Research (1977) *R/PG/5 Park Grass - Grass* ; Details Of The Classical And Long-Term Experiments 1968-73, pp 17 - 18 - DOI: <https://doi.org/10.23637/ERADOC-1-193>

## PARK GRASS

(R/PG/5)

The manuring, liming and general management of this experiment has continued as set out in *Details 1967*, pp 35-39, but the rates of application are given for convenience in metric terms.

### Symbols, materials and rates of application

Manures applied annually except where indicated.

N1, N2, N3:	Sulphate of ammonia to supply 48, 96, 144 kg N
N1 <sup>x</sup> , N2 <sup>x</sup>	Nitrate of soda to supply 48, 96 kg N
P	Powdered superphosphate (approx. 20% P <sub>2</sub> O <sub>5</sub> ) to supply 34 kg P (except plot 20)
K	Sulphate of potash (approx. 50% K <sub>2</sub> O) to supply 224 kg K (except plot 20)
Na	Sulphate of soda (approx. 14% Na) to supply 16 kg Na
Mg	Sulphate of magnesia (approx. 10% Mg) to supply 11 kg Mg
Si	Silicate of soda at 448 kg water soluble powder
FYM	35 t farmyard manure every fourth year (applied autumn 1968 and 1972)
F	Fish meal (about 6.5% N) to supply 63 kg N every fourth year (applied autumn 1970)
P, K, Na, Mg	applied in winter
N1, N2, N1 <sup>x</sup>	applied in one dressing about March
N2 <sup>x</sup>	Half in March and half in April/May
N3	Two-thirds applied in March and one-third in April/May

**NOTES:** Plot 20: In the three years between applications of FYM mineral fertilisers are applied: 30 kg N (as nitrate of soda), 17 kg P (as superphosphate) and 45 kg K (as muriate of potash)

Plots 5-1, 5-2, 6-N were used for microplot experiments during the period (see 'NPK to Old Grass' and 'N levels to Old Grass')

Plot 6-S: Excluded during the period 1965-71 and used for microplot experiments 1967-70 (simulated grazing R/CS/23; received PKNaMg 1965-71 as previous to 1965). Received N1 in 1972 and N1PKNaMg in 1973.

### Liming.

Ground chalk (t CaCO<sub>3</sub>)

Sub-plots	Dec. 1967			Nov. 1971
	a	b	c	a
1	2.00	—	3.14	2.00
2, 3, 4/1	2.00	—	—	2.00
4/2	2.00	1.26	5.65	—
7/8	2.00	—	—	2.00
9	2.00	2.51	4.39	2.00
10	2.00	1.26	5.02	—
11/1	4.00	6.28	5.02	—
11/2	4.00	3.77	5.02	—
13	2.00	—	1.26	2.00
14, 16, 17	2.00	—	—	2.00

	Dec. 1967			Nov. 1971	
	a	b	c		a
18		1.14	—	2.51	1.14
Whole plots					
5/1		6.15			—
5/2		5.53			—
6		7.53			—
1		—			—
15		—			—
18/2		1.14			1.14
19, 20		1.14			—

Soil series. Batcombe series

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3. Johnston, A.E. (1972)  
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