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

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R/GC/8 Garden Clover - Clover

Rothamsted Research

Rothamsted Research (1977) *R/GC/8 Garden Clover - Clover* ; Details Of The Classical And Long-Term Experiments 1968-73, pp 29 - 29 - DOI: <https://doi.org/10.23637/ERADOC-1-193>

GARDEN CLOVER

MANOR GARDEN

(R/GC/8)

In 1968, after a number of tests in the period 1854-1967 (*Details 1967*), the area was divided into four to test all combinations of:

Nitrogen 0 v. 126 kg N per cut
Magnesium 0 v. 112 kg Mg per annum

N as 'Nitro-Chalk 21', Mg as Epsom Salts ($\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$), half in winter, half in summer.

In 1973, these tests being completed, a corrective dressing of Mg was applied to plots which had not previously received any and the whole area received basal N, P, K, Mg.

Basal manuring

1968-73 33 kg P, 125 kg K as (0-14-28) in winter, 62 kg K as muriate of potash, after each cut except the last.
and in 1973 only 130 kg N per cut, 110 kg Mg as Epsom Salts (half in winter after digging, half after first cut) in addition to corrective Mg.

Corrective Magnesium 1973

500 kg Mg as Epsom salts: 335 kg before digging in winter, 110 kg in winter after digging, 55 kg after first cut.

Liming 1973

Plots 2 and 4 (those receiving N1 1968-72) 2.5 t calcium carbonate as ground chalk, half before and half after digging.

Plots 1 and 3 (N0) 1.7 t calcium carbonate applied as above.

Cropping

The S 123 red clover sown in 1967 was retained in 1968, each year thereafter a fresh seeding of English Broad Red Clover was made in April. Two cuts were taken in 1968 and three each year subsequently.

Area harvested

0.00007 – 0.00010

Soil series. Disturbed soil

Rothamsted Garden Clover

Yield of dry matter (t) 1968-72

	--	N -	- Mg	NMg	Mean
1968	—	—	4.35	3.95	—
1969	3.14	3.16	2.38	3.00	2.92
1970	3.99	3.56	4.87	5.47	4.47
1971	4.74	6.36	7.11	6.81	6.25
1972	3.14	3.58	4.62	5.47	4.20
Mean	3.75	4.17	4.75	5.19	4.46