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74/R/GC/8 Garden Clover - Clover

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74/R/GC/8

GARDEN CLOVER

Object: To study yields and pathogens of red clover grown continuously - Manor Garden.

The 121st year, red clover.

For previous years see 'Details' 1967, 68/A/8(t) and 69-73/R/GC/8.

Whole plot dimensions: 2.13 x 3.05. Area harvested: 0.00009.

Treatments: Residual effects of fertilisers applied in previous years.

All combinations of:-

1. Nitrogen fertiliser (kg N per cut 1967-72): NPERCUT(72)

0	0
126	126

2. Magnesium fertiliser (kg Mg/annum 1968-72): MG(72)

0	0
112	112

NOTE: In 1973 plots which had not previously received magnesium were given a corrective dressing of Mg at 500 kg as Epsom salts.

Basal applications: Manures: (0:14:28) at 540 kg. K₂O at 75 kg, as muriate of potash, after each cut except the last. Mg at 110 kg, as Epsom salts, half in spring, half after first cut. N at 130 kg, as 'Nitro-Chalk', in spring and after each cut except the last.

Seed: English Leafy Broad Red sown at 34 kg.

Cultivations, etc.:- Area hand dug, all plants removed, basal PK and Mg applied: 1 Apr, 1974. Area raked down to seedbed, seed sown, basal N applied: 29 Apr. Cut, basal N, K and Mg applied: 2 Aug. Cut: 11 Sept. Basal N and K applied: 12 Sept. Cut: 21 Oct.

NOTE: Samples of herbage were taken for determination of N, P, K, Ca, Na and Mg.

74/R/GC/8

TABLES OF MEANS

DRY MATTER: TONNES/HECTARE

NPERCUT(72)	0		126		Mean
	0	112	0	112	
1st cut	1.87	1.52	2.03	1.83	1.81
2nd cut	2.67	2.17	2.52	2.45	2.46
3rd cut	0.59	0.51	0.78	0.55	0.61
Total of 3 cuts	5.13	4.20	5.33	4.84	4.87

Mean D.M. % 1st cut: 21.1
 2nd cut: 12.6
 3rd cut: 16.8
 Total of 3 cuts: 16.8