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Yields of the Field Experiments 1975

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75/ R/GC/8 - Garden Clover - Clover

Rothamsted Research

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75/R/GC/8

GARDEN CLOVER

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

The 122nd year, red clover.

For previous years see 'Details' 1967, 68/A/8(t) and 69-74/R/GC/8.

Whole plot dimensions: 2.13 x 3.05.

Treatments: Residual effects of fertilisers applied in previous years.

All combinations of:-

1. Nitrogen fertiliser (kg N per cut 1967-72):	NPERCENT(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 Broad Red sown at 34 kg.

Cultivations, etc.:- Area hand dug, all plants removed: 21 Oct, 1974.

Basal PK and Mg applied: 1 Apr, 1975. Area raked down to seedbed, seed sown, basal N applied: 24 Apr. Cut: 15 Aug. Basal N, K and Mg applied: 18 Aug. Cut: 6 Oct.

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

75/R/GG/8

DRY MATTER TONNES/HECTARE

** TABLES OF MEANS ***

NPERCUT (72)	0		126		
MG (72)	0	112	0	112	MEAN
1ST CUT (15/8/75)	0.71	0.60	0.64	0.74	0.67
2ND CUT (6/10/75)	0.53	0.49	0.59	0.71	0.58
TOTAL OF 2 CUTS	1.24	1.09	1.23	1.44	1.25

MEAN DM% 1ST CUT: 38.2
 2ND CUT: 16.9
 TOTAL OF 2 CUTS: 27.5