

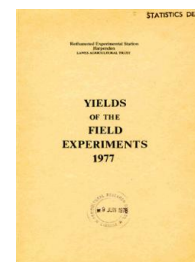
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77/R/GC/8 Garden Clover - Clover

Rothamsted Research

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77/R/GC/8

GARDEN CLOVER

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

The 124th year, red clover.

For previous years see 'Details' 1967 & 1973, and 74-76/R/GC/8.

Whole plot dimensions: 2.13 x 3.05.

Treatments: All combinations of:-

1. VARIETY Varieties:

HUNGAROP	Hungaropoly (resistant to <i>Sclerotinia trifoliorum</i>)
S.123	S.123 (susceptible to <i>S. trifoliorum</i>)

2. ALDICARB Aldicarb to seedbed (kg):

0	
10	

NOTE: Many plants failed to survive the winter. Gaps were re-sown in spring.

Basal applications: Manures: (0:14:28) at 540 kg. K20 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: Sown at 34 kg.

Cultivations, etc.: - Basal PK and Mg applied: 28 Feb, 1977. Seed sown in gaps, aldicarb and N applied: 28 Apr. Cut: 21 June. Basal N and K applied: 24 June. Cut, basal N, K and Mg applied: 27 July. Cut, basal N and K applied: 6 Sept. Cut: 19 Oct.

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

DRY MATTER TONNES/HECTARE

***** TABLES OF MEANS *****

VARIETY	HUNGAROP		S.123		MEAN
	0	10	0	10	
ALDICARB					
1ST CUT (21/6/77)	0.79	1.58	0.03	0.60	0.75
2ND CUT (27/7/77)	0.66	2.00	0.19	1.65	1.12
3RD CUT (6/9/77)	0.68	1.74	0.61	1.28	1.08
4TH CUT (19/10/77)	0.72	1.05	0.48	0.82	0.77
TOTAL OF 4 CUTS	2.84	6.38	1.31	4.35	3.72
MEAN DM%					
1ST CUT		15.3	2ND CUT		21.4
3RD CUT		12.8	4TH CUT		13.7
TOTAL OF 4 CUTS:		15.8			

PLOT AREA HARVESTED 0.00011