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Yields of the Field Experiments 1976

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76/R/GC/8 Garden Clover - Clover

Rothamsted Research

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76/R/GC/8

GARDEN CLOVER

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

The 123rd year, red clover.

For previous years see 'Details' 1967, 68/A/8(t) and 69-75/R/GC/8.

Whole plot dimensions: 2.13 x 3.05.

Treatments: All combinations of:-

1. VARIETY Varieties:

HUNGAROP Hungaropoly (resistant to Sclerotinia trifoliorum)
S.123 S.123 (susceptible to S.trifoliorum)

2. ALDICARB Aldicarb to seedbed:

0 None
10 10 kg

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. Irrigation: Total 87 mm.

Seed: Sown at 34 kg.

Cultivations, etc.:- Area hand dug, all plants removed: 6 Oct, 1975. Basal PK and Mg applied: 28 Jan, 1976. Area raked down to seedbed, seed sown: 11 Mar. Aldicarb applied, raked in: 12 Mar. N applied: 18 Mar. Irrigated, 10 mm: 29 Apr. Irrigated, 7 mm on each occasion: 11 May, 7 June, 2 July, 8 July, 15 July. Cut, basal N, K and Mg applied: 27 July. Irrigated, 7 mm on each occasion: 2 Aug, 10 Aug, 18 Aug, 24 Aug, 27 Aug. Cut, basal N and K applied: 7 Sept. Irrigated, 7 mm: 8 Sept. Cut: 8 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 ALDICARB	HUNGAROP		S.123		MEAN
	0	10	0	10	
1ST CUT (27/7/76)	1.45	2.40	1.05	2.09	1.75
2ND CUT (7/9/76)	1.05	1.41	0.51	0.88	0.96
3RD CUT (8/10/76)	0.53	0.82	0.50	0.73	0.64
TOTAL OF 3 CUTS	3.03	4.62	2.06	3.71	3.35
MEAN DM% 1ST CUT:	20.2				
2ND CUT:	20.9				
3RD CUT:	13.4				
TOTAL OF 3 CUTS:	18.2				

PLOT AREA HARVESTED 0.00010