

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1976

[Full Table of Content](#)

76/R/GC/8 Garden Clover - Clover

Rothamsted Research

Rothamsted Research (1977) *76/R/GC/8 Garden Clover - Clover* ; Yields Of The Field Experiments 1976, pp 40 - 40 - DOI: <https://doi.org/10.23637/ERADOC-1-15>

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				