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## Yields of the Field Experiments 1978

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### 78/R/GC/8 Garden Clover - Clover

#### Rothamsted Research

Rothamsted Research (1979) *78/R/GC/8 Garden Clover - Clover* ; Yields Of The Field Experiments 1978, pp 48 - 49 - DOI: <https://doi.org/10.23637/ERADOC-1-30>

78/R/GC/8

GARDEN CLOVER

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

The 125th year, red clover.

For previous years see 'Details' 1967 & 1973, and 74-77/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 (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 in summer. N at 130 kg, as 'Nitro-Chalk 25', in spring and after each cut except the last.

Seed: Sown at 34 kg.

Cultivations, etc.: - Basal PK and Mg applied: 6 Apr, 1978. Seed sown in gaps, aldicarb applied: 10 Apr. N applied: 5 May. Cut, basal N and K applied: 21 June. Cut, basal N, K and Mg applied: 28 July. Cut, basal N and K applied: 21 Aug. Cut: 9 Oct.

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

78/R/GC/8

1ST CUT(21/6/78) DRY MATTER TONNES/HECTARE

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

ALDICARB	0	10	MEAN
VARIETY			
HUNGAROP	0.37	2.03	1.20
S.123	0.50	1.01	0.76
MEAN	0.43	1.52	0.98

1ST CUT MEAN DM% 17.0

78/R/GC/8

2ND CUT (28/7/78) DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	0	10	MEAN
HUNGAROP	0.76	2.01	1.38
S. 123	1.03	2.27	1.65
MEAN	0.89	2.14	1.52

2ND CUT MEAN DM% 16.3

3RD CUT (21/8/78) DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	0	10	MEAN
HUNGAROP	0.72	1.82	1.27
S. 123	0.60	1.43	1.02
MEAN	0.66	1.62	1.14

3RD CUT MEAN DM% 16.7

4TH CUT (9/10/78) DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	0	10	MEAN
HUNGAROP	1.10	2.08	1.59
S. 123	0.94	1.41	1.18
MEAN	1.02	1.75	1.38

4TH CUT MEAN DM% 14.7

TOTAL OF 4 CUTS DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	0	10	MEAN
HUNGAROP	2.94	7.94	5.44
S. 123	3.08	6.12	4.60
MEAN	3.01	7.03	5.02

TOTAL OF 4 CUTS MEAN DM% 16.2

PLOT AREA HARVESTED 0.00010