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## Yields of the Field Experiments 1979

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

#### Rothamsted Research

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79/R/GC/8

GARDEN CLOVER

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

The 126th year, red clover.

For previous years see 'Details' 1967 & 1973, and 74-78/R/GC/8.

Whole plot dimensions: 2.13 x 3.05.

Treatments: All combinations of:-

1. VARIETY                      Varieties:
  - H(H)                      Hungaropoly (resistant to *Sclerotinia trifoliorum*) in 1979 after Hungaropoly in 1976-78
  - H(S)                      Hungaropoly in 1979 after S.123 (susceptible to *S. trifoliorum*) in 1976-78
2. ALDICARB                      Aldicarb to seedbed:
  - 10(0)                      10 kg in 1979 after none in 1976-78
  - 10(10)                      10 kg in 1979 after 10 kg in 1976-78

Basal applications: Manures: Chalk at 7.5 t. (0:14:28) at 540 kg. Mg at 50 kg, as Epsom salts. N at 130 kg, as 'Nitro-Chalk', in seedbed and after each cut except the last.

Seed: Hungaropoly, sown at 34 kg.

Cultivations, etc.: - Hand dug, root stumps carted: 12 Oct, 1978. Chalk applied: 26 Feb, 1979. PK and Mg applied: 17 Apr. Sown, aldicarb and N applied: 20 Apr. Cut and N applied: 25 July, 28 August. Cut: 24 September.

NOTE: Samples of herbage were analysed for percentage N, P, K, Ca and Mg.

79/R/GC/8

1ST CUT (25/7/79) DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	10(0)	10(10)	MEAN
H(H)	2.50	2.32	2.41
H(S)	2.67	2.24	2.45
MEAN	2.58	2.28	2.43

1ST CUT MEAN DM% 23.0

2ND CUT (28/8/79) DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	10(0)	10(10)	MEAN
H(H)	3.30	3.31	3.30
H(S)	3.21	3.13	3.17
MEAN	3.26	3.22	3.24

2ND CUT MEAN DM% 12.3

3RD CUT (24/9/79) DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	10(0)	10(10)	MEAN
H(H)	1.22	1.26	1.24
H(S)	1.29	1.20	1.25
MEAN	1.26	1.23	1.24

3RD CUT MEAN DM% 15.9

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

ALDICARB VARIETY	10(0)	10(10)	MEAN
H(H)	7.01	6.89	6.95
H(S)	7.18	6.57	6.87
MEAN	7.09	6.73	6.91

TOTAL OF 3 CUTS MEAN DM% 17.1

PLOT AREA HARVESTED 0.00010