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Yields of the Field Experiments 1982

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82/R/GC/8 Garden Clover - Red Clover

Rothamsted Research

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82/R/GC/8

GARDEN CLOVER

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

Sponsor: J. McEwen.

The 129th year, red clover.

For previous years see 'Details' 1967 and 1973, and 74-81/R/GC/8.

Design: 2 blocks of 2 plots.

Whole plot dimensions: 1.02 x 1.42.

Treatments:

FUNGICIDE Fungicide to control *Sclerotinia trifoliorum*:

NONE None

BENOMYL Benomyl at 0.6 kg in 800 l on 12 Oct, 1981; 10 Nov, 31 Dec, 1 Feb, 1982; 4 Mar.

Basal applications: Manures: Chalk at 1.25 t. (0:14:28) at 540 kg. Mg at 50 kg, as Epsom Salts. N at 125 kg, as 'Nitro-Chalk', in spring and after each cut except the last. Nematicide: Aldicarb at 10 kg.

Seed: Hungaropoly, sown in April 1979.

Cultivations, etc.: - Chalk, PK and Mg applied: 2 Feb, 1982. N applied: 23 Mar. Aldicarb applied: 31 Mar. Cut and N applied: 15 June, 19 July, 2 Sept. Cut: 25 Oct.

NOTE: N, P, K, Ca and Mg contents of herbage were measured.

82/R/GC/8

1ST CUT (15/6/82) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	8.72	9.21	8.96

1ST CUT MEAN DM% 16.1

2ND CUT (19/7/82) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	5.78	4.76	5.27

2ND CUT MEAN DM% 12.9

3RD CUT (2/9/82) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	3.32	2.89	3.10

3RD CUT MEAN DM% 15.9

4TH CUT (25/10/82) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	0.84	0.93	0.89

4TH CUT MEAN DM% 16.8

TOTAL OF 4 CUTS DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	18.66	17.79	18.23

TOTAL OF 4 CUTS MEAN DM% 15.4

PLOT AREA HARVESTED 0.00010