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Yields of the Field Experiments 1981

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

Rothamsted Research

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81/R/GC/8

GARDEN CLOVER

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

Sponsor: J. McEwen.

The 128th year, red clover.

For previous years see 'Details' 1967 & 1973, and 74-80/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 29 Sept, 1980; 30 Oct, 27 Nov, 29 Dec, and 28 Jan, 1981.

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: 8 Oct, 1980. N and aldicarb applied: 20 Mar, 1981. Cut and N applied: 1 June, 14 July, 18 Aug. Cut: 6 Oct.

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

1ST CUT (1/6/81) DRY MATTER TONNES/HECTARE

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

FUNGICIDE	NONE	BENOMYL	MEAN
	5.47	7.14	6.30

1ST CUT MEAN DM% 11.6

2ND CUT (14/7/81) DRY MATTER TONNES/HECTARE

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

FUNGICIDE	NONE	BENOMYL	MEAN
	5.11	5.04	5.08

2ND CUT MEAN DM% 13.7

81/R/GC/8

3RD CUT (18/8/81) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	2.75	2.87	2.81

3RD CUT MEAN DM% 12.4

4TH CUT (6/10/81) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	2.19	2.33	2.26

4TH CUT MEAN DM% 14.3

TOTAL OF 4 CUTS DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	15.52	17.38	16.45

TOTAL OF 4 CUTS MEAN DM% 13.0

PLOT AREA HARVESTED 0.00010