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80/R/GC/8 Garden Clover

Rothamsted Research

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80/R/GC/8

GARDEN CLOVER

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

Sponsor: J. McEwen.

The 127th year, red clover.

For previous years see 'Details' 1967 & 1973, and 74-79/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 28 Sept, 1979; 29 Oct, 30 Nov, 4 Jan, 1980 and 11 Feb.

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 at 34 kg in April 1979.

Cultivations, etc.: Chalk, PK and Mg applied: 1 Oct, 1979. N applied: 6 Mar, 1980. Aldicarb applied: 9 Apr. Cut and N applied: 15 May, 19 June, 21 July, 18 Aug. Cut: 25 Sept.

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

1ST CUT (15/5/80) DRY MATTER TONNES/HECTARE

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

FUNGICIDE	NONE	BENOMYL	MEAN
	2.64	3.92	3.28

1ST CUT MEAN DM% 17.0

2ND CUT (19/6/80) DRY MATTER TONNES/HECTARE

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

FUNGICIDE	NONE	BENOMYL	MEAN
	3.06	3.18	3.12

2ND CUT MEAN DM% 12.4

80/R/GC/8

3RD CUT (21/7/80) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	2.41	2.64	2.53

3RD CUT MEAN DM% 11.1

4TH CUT (18/8/80) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	2.52	2.64	2.58

4TH CUT MEAN DM% 10.8

5TH CUT (25/9/80) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	2.18	2.22	2.20

5TH CUT MEAN DM% 11.4

TOTAL OF 5 CUTS DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	12.81	14.60	13.71

TOTAL OF 5 CUTS MEAN DM% 12.5

PLOT AREA HARVESTED 0.00010