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Yields of the Field Experiments 1984

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84/R/GC/8 Garden Clover - Clover

Rothamsted Research

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84/R/GC/8

GARDEN CLOVER

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

Sponsor: J. McEwen.

The 131st year, red clover.

For previous years see 'Details' 1967 and 1973, and 74-83/R/GC/8.

Design: 2 blocks of 2 plots.

Whole plot dimensions: 1.02 x 1.42.

Treatments:

FUNGCIDE Fungicide to control *Sclerotinia trifoliorum*:

NONE None

BENOMYL Benomyl at 0.6 kg in 800 l on 18 Oct, 1983; 18 Nov, 28 Dec, 22 Jan, 1984; 20 Feb.

Basal applications: Manures: Chalk at 1.25 t. (0:18:36) at 420 kg. Mg at 50 kg, as Epsom Salts. K_2O at 150 kg as muriate of potash in spring and after each cut except the last. Nematicide: Aldicarb at 10 kg.

Seed: Hungaropoly, sown at 34 kg in April 1983, gaps resown at 34 kg in April, 1984.

NOTE: FUNGCIDE NONE plots required about 85% of row length re-sown and FUNGCIDE BENOMYL about 8%.

Cultivations, etc.: - Chalk, PK and Mg applied: 27 Oct, 1983. Gaps resown and aldicarb applied: 4 Apr, 1984. K applied: 5 Apr. Cut and K applied: 12 June, 19 July, 20 Aug. Cut: 12 Oct.

84/R/GC/8

1ST CUT (12/6/84) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	2.74	6.13	4.44

1ST CUT MEAN DM% 18.6

2ND CUT (19/7/84) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	3.07	4.01	3.54

2ND CUT MEAN DM% 20.5

3RD CUT (20/8/84) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	1.11	1.26	1.18

3RD CUT MEAN DM% 19.6

4TH CUT (12/10/84) DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	0.90	1.13	1.02

4TH CUT MEAN DM% 18.1

TOTAL OF 4 CUTS DRY MATTER TONNES/HECTARE

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

FUNGCIDE	NONE	BENOMYL	MEAN
	7.82	12.53	10.17

TOTAL OF 4 CUTS MEAN DM% 19.2

PLOT AREA HARVESTED 0.00010