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## Yields of the Field Experiments 1988

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

#### Rothamsted Research

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88/R/GC/8

GARDEN CLOVER

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

**Sponsor:** J. McEwen.

The 135th year, red clover.

For previous years see 'Details' 1967 and 1973, and 74-87/R/GC/8.

**Design:** 2 blocks of 2 plots.

**Whole plot dimensions:** 1.02 x 1.42.

**Treatments:**

<b>FUNGICIDE</b>	Fungicide, to control <i>Sclerotinia trifoliorum</i> :
NONE	None
BENOMYL	Benomyl at 0.6 kg in 800 l on 30 Sept, 1987, 26 Oct, 27 Nov, 22 Dec and 5 Feb, 1988

**Basal applications:** Manures: Chalk at 1.25 t. (0:18:36) at 420 kg.  
Mg at 50 kg, as Epsom Salts. Nematicide: Aldicarb at 10 kg.

**NOTE:** Additional K was applied to replace that removed by the crop in 1987. **FUNGICIDE** NONE required 316 and 252 kg K2O to the first and second blocks respectively, **FUNGICIDE** BENOMYL 284 and 273 kg K2O. This was applied as muriate of potash, one third in spring 1988 and one third after the first and second cuts.

**Seed:** Hungaropoly, sown at 34 kg in 1987.

**Cultivations, etc.:-** PK and Mg applied: 28 Sept, 1987. Chalk applied: 30 Oct. K applied: 18 Feb, 1988. Aldicarb applied: 21 Apr. Cut and K applied: 1 June, 7 July. Cut: 18 Aug, 29 Sept.

88/R/GC/8

1ST CUT (1/6/88) DRY MATTER TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

FUNG RES	NONE	BENOMYL	Mean
	7.31	7.27	7.29

1ST CUT MEAN DM% 13.8

2ND CUT (7/7/88) DRY MATTER TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

FUNG RES	NONE	BENOMYL	Mean
	3.62	3.28	3.45

2ND CUT MEAN DM% 13.2

3RD CUT (18/8/88) DRY MATTER TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

FUNG RES	NONE	BENOMYL	Mean
	2.99	2.88	2.93

3RD CUT MEAN DM% 15.9

4TH CUT (29/9/88) DRY MATTER TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

FUNG RES	NONE	BENOMYL	Mean
	1.33	1.31	1.32

4TH CUT MEAN DM% 15.1

TOTAL OF 4 CUTS DRY MATTER TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

FUNG RES	NONE	BENOMYL	Mean
	15.25	14.74	14.99

TOTAL OF 4 CUTS MEAN DM% 14.5

PLOT AREA HARVESTED 0.00010