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# Yields of the Field Experiments 2007

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Results of the  
Classical and other  
Long-term Experiments  
2007

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## R/GC/8 Garden Clover

### Rothamsted Research

Rothamsted Research (2007) *R/GC/8 Garden Clover* ; Yields Of The Field Experiments 2007, pp 31 - 34 - DOI: <https://doi.org/10.23637/ERADOC-1-217>

06/R/GC/8

GARDEN CLOVER

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

The 153<sup>rd</sup> year, red clover.

For previous years see 'Details' 1967 and 1973, and Yield Books for 74-05/R/GC/8.

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

**Whole plot dimensions:** 1.00 x 1.40.

**Treatments:**

<b>FUNG RES</b>	Residual effects of fungicide to control <i>Sclerotinia trifoliorum</i> :
NONE	None
BENOMYL	Benomyl sprays during previous winters, last applied November 1989.

**Experimental diary:**

			Rate	Unit
05-Oct-05	p	Azural	6.00	l/10 l/ha
30-Nov-05	a	Hand dig		
	f	Magnesium Sulphate	520.00	kg/ha
	f	Triple Superphosphate	158.00	kg/ha
	f	Sulphate of Potash	300.00	kg/ha
	f	Chalk	1.25	t/ha
15-Mar-06	a	Erect rabbit fence		
19-Apr-06	a	Hand raked		
	a	Hand sow		
	s	Milvus	30.00	kg/ha
	a	Erect new fence and netting, completed 23-May-06		
13-Jul-06	s	Milvus, re-sow failed areas	30.00	kg/ha
17-Aug-06		First cut taken		
07-Nov-06		Second cut taken		

**NOTE:** Samples of clover taken from each cut for chemical analysis

**06/R/GC/8**

**1ST CUT (17/8/06) DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL	Mean
	0.72	0.84	0.78

1ST CUT MEAN DM% 33.4

1ST CUT PLOT AREA HARVESTED 0.00014

**2ND CUT (07/11/06) DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL	Mean
	0.92	1.25	1.09

2ND CUT MEAN DM% 18.9

2ND CUT PLOT AREA HARVESTED 0.00014

**TOTAL OF 2 CUTS DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL	Mean
	1.64	2.09	1.87

TOTAL OF 2 CUTS MEAN DM% 26.1

07/R/GC/8

**GARDEN CLOVER**

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

The 154th year, red clover.

For previous years see 'Details' 1967 and 1973, and Yield Books for 74-06/R/GC/8.

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

**Whole plot dimensions:** 1.00 x 1.40.

**Treatments:**

<b>FUNG RES</b>	Residual effects of fungicide to control <i>Sclerotinia trifoliorum</i> :
NONE	None
BENOMYL	Benomyl sprays during previous winters, last applied November 1989.

**Experimental diary:**

			Rate	Unit
05-Apr-07	f	Magnesium Sulphate - Whole experiment	520.00	kg/ha
	f	Triple Superphosphate -Whole experiment	158.00	kg/ha
	f	Sulphate of Potash - Whole experiment	300.00	kg/ha
	f	Chalk – Whole experiment	1.25	t/ha
30-Apr-07	a	First Cut		
20-Jun-07	a	Second cut		
04-Oct-07	a	Third cut		

**NOTE:** Samples of clover taken from each cut for chemical analysis

**07/R/GC/8**

**FIRST CUT (30/4/07) DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL
	3.84	4.23

Grand mean 4.03

1ST CUT MEAN DM% 16.6

**SECOND CUT (20/06/07) DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL
	2.48	2.51

Grand mean 2.49

2ND CUT MEAN DM% 17.2

**THIRD CUT (04/10/07) DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL
	1.85	1.76

Grand mean 1.80

3RD CUT MEAN DM% 19.5

**TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE**

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

<b>FUNG_RES</b>	NONE	BENOMYL
	8.16	8.49

Grand mean 8.33

TOTAL OF 3 CUTS MEAN DM% 17.8

PLOT AREA HARVESTED CUT 0.00014