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Yields of the Field Experiments 2007

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R/GC/8 Garden Clover

Rothamsted Research

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06/R/GC/8

GARDEN CLOVER

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

The 153rd 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:

FUNG RES	Residual effects of fungicide to control *Sclerotinia trifoliorum*:
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	Miluus	30.00	kg/ha
	a	Erect new fence and netting, completed 23-May-06		
13-Jul-06	s	Miluus, 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

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06/R/GC/8

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

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

FUNG_RES	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 *****

FUNG_RES	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 *****

FUNG_RES	NONE	BENOMYL	Mean
	1.64	2.09	1.87

TOTAL OF 2 CUTS MEAN DM% 26.1

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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:

FUNG RES	Residual effects of fungicide to control *Sclerotinia trifoliorum*:
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

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07/R/GC/8

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

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

FUNG_RES	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 *****

FUNG_RES	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 *****

FUNG_RES	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 *****

FUNG_RES	NONE	BENOMYL
	8.16	8.49

Grand mean 8.33

TOTAL OF 3 CUTS MEAN DM% 17.8

PLOT AREA HARVESTED CUT 0.00014

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