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RESEARCH

Yields of the Field Experiments 2012

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Results of the
Classical and other
Long-term Experiments
2012

R/GC/8 Garden Clover

Rothamsted Research

Rothamsted Research (2013) *R/GC/8 Garden Clover* ; Yields Of The Field Experiments 2012, pp 36 - 37 - DOI: <https://doi.org/10.23637/ERADOC-1-222>

12/R/GC/8

GARDEN CLOVER

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

The 159th year, red clover.

For previous years see `Details' 1967 and 1973, and Yield books for 74-11/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 <i>Sclerotinia trifoliorum</i> :
NONE	None
BENOMYL	Benomyl sprays during previous winters, last applied November 1989.

Experimental diary:

Date		Application	Rate	Units
19-Jan-12	f	Applied Magnesium Sulphate	520	kg/ha
19-Jan-12	f	Applied TSP	158	kg/ha
19-Jan-12	f	Applied Potassium Sulphate	300	kg/ha
19-Jan-12	a	Applied Chalk	1.25	t/ha
01-Jun-12	a	First cut	-	
11-Jul-12	a	Second cut	-	
05-Sep-12	a	Third cut	-	
08-Oct-12	p	Sprayed w/ Rosate 36	6	l/ha

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

12/R/GC/8

1ST CUT (01/6/12) DRY MATTER TONNES/HECTARE

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

Grand mean 3.88

FUNG_RES	NONE	BENOMYL
	3.99	3.78

1ST CUT MEAN DM% 20.3

SECOND CUT (11/7/12) DRY MATTER TONNES/HECTARE

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

Grand mean 3.84

FUNG_RES	NONE	BENOMYL
	3.77	3.92

2ND CUT MEAN DM% 15.3

THIRD CUT (05/9/12) DRY MATTER TONNES/HECTARE

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

Grand mean 3.27

FUNG_RES	NONE	BENOMYL
	3.35	3.19

3RD CUT MEAN DM% 22.2

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

Grand mean 10.99

FUNG_RES	NONE	BENOMYL
	11.10	10.88

TOTAL OF 3 CUTS MEAN DM% 19.3

PLOT AREA HARVESTED CUT 1, 2 & 3 - 0.00014