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Yields of the Field Experiments 2011

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Results of the
Classical and other
Long-term Experiments
2011

R/GC/8 Garden Clover

Rothamsted Research

Rothamsted Research (2012) *R/GC/8 Garden Clover* ; Yields Of The Field Experiments 2011, pp 34 - 35 - DOI: <https://doi.org/10.23637/ERADOC-1-221>

11/R/GC/8

GARDEN CLOVER

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

The 158th year, red clover.

For previous years see 'Details' 1967 and 1973, and Yield books for 74-10/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:

		Rate	Unit
16-Dec-10	Magnesium sulphate	520	kg/ha
	TSP	158	kg/ha
	Potassium sulphate and chalk - applied to whole experiment	300	kg/ha
		1.25	kg/ha
09-May-11	First cut		
30-Jun-11	Second cut		
24-Aug-11	Third cut		

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

1ST CUT (09/05/11) DRY MATTER TONNES/HECTARE

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

Grand mean	3.85	
FUNG_RES	NONE	BENOMYL
	4.21	3.50

1ST CUT MEAN DM% 21.9

11/R/GC/8

SECOND CUT (30/06/11) DRY MATTER TONNES/HECTARE

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

Grand mean	4.19	
FUNG_RES	NONE	BENOMYL
	4.63	3.76

2ND CUT MEAN DM% 18.8

THIRD CUT (24/08/11) DRY MATTER TONNES/HECTARE

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

Grand mean	4.10	
FUNG_RES	NONE	BENOMYL
	4.08	4.11

3RD CUT MEAN DM% 22.3

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

Grand mean	12.14	
FUNG_RES	NONE	BENOMYL
	12.92	11.37

TOTAL OF 3 CUTS MEAN DM% 21.0

PLOT AREA HARVESTED CUT 1, 2 & 3 0.00014