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Yields of the Field Experiments 2008

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Results of the
Classical and other
Long-term Experiments
2008

R/GC/8 Garden Clover

Rothamsted Research

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08/R/GC/8

GARDEN CLOVER

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

The 155th year, red clover.

For previous years see 'Details' 1967 and 1973, and Yield books for 74-07/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
12-May-08	a	First cut		
14-May-08	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
4-Jul-08	a	Second cut		
6-Aug-08	a	Third cut		
20-Nov-08	a	Fourth cut		

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

1ST CUT (12/05/08) DRY MATTER TONNES/HECTARE

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

Grand mean 3.26

FUNG_RES	NONE	BENOMYL
	3.40	3.12

1ST CUT MEAN DM% 14.6

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SECOND CUT (04/07/08) DRY MATTER TONNES/HECTARE

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

Grand mean 3.65

FUNG_RES	NONE	BENOMYL
	3.79	3.50

2ND CUT MEAN DM% 21.4

THIRD CUT (06/08/08) DRY MATTER TONNES/HECTARE

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

Grand mean 2.53

FUNG_RES	NONE	BENOMYL
	2.68	2.39

3RD CUT MEAN DM% 16.0

FOURTH CUT (20/11/08) DRY MATTER TONNES/HECTARE

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

Grand mean 0.37

FUNG_RES	NONE	BENOMYL
	0.34	0.39

4TH CUT MEAN DM% 20.0

TOTAL OF 4 CUTS DRY MATTER TONNES/HECTARE

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

Grand mean 9.80

FUNG_RES	NONE	BENOMYL
	10.20	9.40

TOTAL OF 4 CUTS MEAN DM% 18.0

PLOT AREA HARVESTED CUT 1,2,3 &4 0.00014