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RESEARCH

Yields of the Field Experiments 2010

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Results of the
Classical and other
Long-term Experiments

2010

R/GC/8 Garden Clover

Rothamsted Research

Rothamsted Research (2011) *R/GC/8 Garden Clover* ; Yields Of The Field Experiments 2010, pp 32 - 33 - DOI: <https://doi.org/10.23637/ERADOC-1-220>

10/R/GC/8

GARDEN CLOVER

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

The 157th year, red clover.

For previous years see `Details' 1967 and 1973, and Yield books for 74-09/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 |
|------------|---|-----------------------|---------|-------|
| 02/12/2009 | f | Potassium Sulphate | 300.00 | kg/ha |
| | f | Chalk | 1000.00 | kg/ha |
| | f | Triple Superphosphate | 158.00 | kg/ha |
| | f | Magnesium Sulphate | 520.00 | kg/ha |
| 17-May-10 | a | First Cut | | |
| 26-Jun-10 | a | Second Cut | | |
| 24-Aug-10 | a | Third Cut | | |

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

1ST CUT (17/05/10) DRY MATTER TONNES/HECTARE

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

| | | | |
|------------|------|---------|--|
| Grand mean | 4.71 | | |
| FUNG_RES | NONE | BENOMYL | |
| | 4.95 | 4.46 | |

1ST CUT MEAN DM% 17.2

10/R/GC/8

SECOND CUT (26/06/10) DRY MATTER TONNES/HECTARE

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

| | | |
|------------|------|---------|
| Grand mean | 4.59 | |
| FUNG_RES | NONE | BENOMYL |
| | 4.53 | 4.65 |

2ND CUT MEAN DM% 20.8

THIRD CUT (24/08/10) DRY MATTER TONNES/HECTARE

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

| | | |
|------------|------|---------|
| Grand mean | 3.83 | |
| FUNG_RES | NONE | BENOMYL |
| | 4.38 | 3.29 |

3RD CUT MEAN DM% 26.9

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

| | | |
|------------|-------|---------|
| Grand mean | 13.13 | |
| FUNG_RES | NONE | BENOMYL |
| | 13.86 | 12.41 |

TOTAL OF 3 CUTS MEAN DM% 21.6

PLOT AREA HARVESTED CUT 1, 2 & 3 0.00014