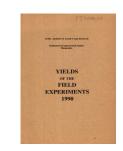
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Yields of the Field Experiments 1990



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Rothamsted Research

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90/R/GC/8

GARDEN CLOVER

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

The 137th year, red clover.

For previous years see 'Details' 1967 and 1973, and 74-89/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 Non

BENOMYL Benomyl sprays during previous winters including

applications at 0.60 kg in 800 l on 13 Oct, 1989 and

on 13 Nov

Basal applications: Manures: Chalk at 1.25 t. (0:18:36) at 420 kg. Mg at 50 kg, as Epsom Salts.

NOTE: Additional K was applied to replace that removed by the crop in 1989. FUNG RES NONE required 411 and 303 kg K20 to the first and second blocks respectively, FUNG RES BENOMYL 410 and 290 kg K20. This was applied as muriate of potash, one third to the seedbed in 1990 and one third after the first and second cuts.

Seed: Hungaropoly, sown at 30 kg on 27 Mar, 1990.

Cultivations, etc.:- Chalk, PK and Mg applied: 25 Oct, 1989. Hand dug,
root stumps carted: 14 Mar, 1990. K applied: 23 Mar. Cut and K
applied: 23 July, 4 Sept.

NOTE: Irrigation was appplied as follows (mm water):

30 Mar 10

9 May 10

24 May 10

24 July 10

8 Aug 10

Total 50

90/R/GC/8

1ST CUT (23/7/90) DRY MATTER TONNES/HECTARE

**** Tables of means ****

FUNG RES NONE BENOMYL Mean 2.12 2.19 2.16

1ST CUT MEAN DM% 28.3

2ND CUT (4/9/90) DRY MATTER TONNES/HECTARE

**** Tables of means ****

FUNG RES NONE BENOMYL Mean 1.55 1.33 1.44

2ND CUT MEAN DM% 18.3

TOTAL OF 2 CUTS DRY MATTER TONNES/HECTARE

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

FUNG RES NONE BENOMYL Mean 3.68 3.52 3.60

TOTAL OF 2 CUTS MEAN DM% 23.3

PLOT AREA HARVESTED 0.00010