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90/R/GC/8 Garden Clover - Clover

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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 None

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 K2O to the first and second blocks respectively, **FUNG RES BENOMYL** 410 and 290 kg K2O. 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 applied as follows (mm water):

30 Mar	10
9 May	10
24 May	10
24 July	10
8 Aug	10
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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