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RESEARCH

Yields of the Field Experiments 1987

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ARC, Institute of Arable Crops Research
Rothamsted Experimental Station
Harpenden
Herts
SG8 5LR
United Kingdom

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87/R/GC/8 Garden Clover - Clover

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87/R/GC/8

GARDEN CLOVER

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

Sponsor: J. McEwen.

The 134th year, red clover.

For previous years see 'Details' 1967 and 1973, and 74-86/R/GC/8.

Design: 2 blocks of 2 plots.

Whole plot dimensions: 1.02 x 1.42.

Treatments:

FUNG RES Residual effects of fungicide to control *Sclerotinia trifoliorum*:

NONE None

BENOMYL Benomyl sprays during winter, last applied December 1985

Basal applications: Manures: Chalk at 1.25 t. (0:18:36) at 420 kg.
Mg at 50 kg, as Epsom Salts. Nematicide: Aldicarb at 10 kg.

NOTE: Additional K was applied to replace that removed by the crop in 1986. FUNG RES NONE required 360 and 263 kg K20 to the first and second blocks respectively, FUNG RES BENOMYL 267 and 258 kg K20. This was applied as muriate of potash, one third in spring 1987 and one third after the first and second cuts.

Seed: Hungaropoly, sown at 34 kg.

Cultivations, etc.: - Hand dug, root stumps carted: 25 Sept, 1986.
Chalk, PK and Mg applied: 3 Oct. Sown, K and aldicarb applied: 15 Apr, 1987. Cut and K applied: 30 July, 1 Sept. Cut: 25 Sept.

87/R/GC/8

1ST CUT (30/7/87) DRY MATTER TONNES/HECTARE

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

FUNG RES	NONE	BENOMYL	Mean
	2.87	3.28	3.08

1ST CUT MEAN DM% 12.6

2ND CUT (1/9/87) DRY MATTER TONNES/HECTARE

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

FUNG RES	NONE	BENOMYL	Mean
	2.40	2.21	2.30

2ND CUT MEAN DM% 13.0

3RD CUT (25/9/87) DRY MATTER TONNES/HECTARE

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

FUNG RES	NONE	BENOMYL	Mean
	0.91	0.73	0.82

3RD CUT MEAN DM% 12.0

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

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

FUNG RES	NONE	BENOMYL	Mean
	6.18	6.22	6.20

TOTAL OF 3 CUTS MEAN DM% 12.5

PLOT AREA HARVESTED 0.00010