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85/R/GC/8 Garden Clover - Clover

Rothamsted Research

Rothamsted Research (1986) *85/R/GC/8 Garden Clover - Clover* ; Yields Of The Field Experiments 1985, pp 33 - 34 - DOI: <https://doi.org/10.23637/ERADOC-1-19>

85/R/GC/8

GARDEN CLOVER

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

Sponsor: J. McEwen.

The 132nd year, red clover.

For previous years see 'Details' 1967 and 1973, and 74-84/R/GC/8.

Design: 2 blocks of 2 plots.

Whole plot dimensions: 1.02 x 1.42.

Treatments:

FUNGICIDE Fungicide to control *Sclerotinia trifoliorum*:

NONE None

BENOMYL Benomyl at 0.6 kg in 800 l on 30 Oct, 1984; 30 Nov,
21 Dec, and 27 Feb, 1985.

NOTE: An additional planned treatment application of benomyl in January
was omitted because of snow.

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 1984.
FUNGICIDE NONE required 250 and 289 kg K20 to the first and second
blocks respectively, FUNGICIDE BENOMYL 410 and 400 kg K20. This was
applied as muriate of potash, one third in spring 1985 and one third
after the first and second cuts.

Seed: Hungaropoly, sown at 34 kg in April 1983, gaps, 85% FUNGICIDE NONE,
8% FUNGICIDE BENOMYL, resown at 34 kg in April, 1984.

Cultivations, etc.: - Chalk, PK and Mg applied: 2 Nov, 1984. K and aldicarb
applied: 2 Apr, 1985. Cut and K applied: 27 June, 6 Aug. Cut: 25 Sept.

85/R/GC/8

1ST CUT (27/6/85) DRY MATTER TONNES/HECTARE

***** TABLES OF MEANS *****

FUNGCIDE	NONE	BENOMYL	MEAN
	6.77	6.25	6.51

1ST CUT MEAN DM% 16.8

2ND CUT (6/8/85) DRY MATTER TONNES/HECTARE

***** TABLES OF MEANS *****

FUNGCIDE	NONE	BENOMYL	MEAN
	4.65	5.02	4.84

2ND CUT MEAN DM% 16.2

3RD CUT (25/9/85) DRY MATTER TONNES/HECTARE

***** TABLES OF MEANS *****

FUNGCIDE	NONE	BENOMYL	MEAN
	1.69	1.70	1.70

3RD CUT MEAN DM% 15.7

TOTAL OF 3 CUTS DRY MATTER TONNES/HECTARE

***** TABLES OF MEANS *****

FUNGCIDE	NONE	BENOMYL	MEAN
	13.12	12.97	13.05

TOTAL OF 3 CUTS MEAN DM% 16.2

PLOT AREA HARVESTED 0.00010