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85/R/GC/8 Garden Clover - Clover

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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 K2O to the first and second blocks respectively, FUNGICIDE BENOMYL 410 and 400 kg K2O. 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