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74/R/CS/103 Benomyl and Sclerotinia - Clover

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74/R/CS/109

BENOMYL AND SCLEROTINIA

Object: To study the effects of times of applying benomyl and captafol on yield, and on the incidence of Sclerotinia rot of clover - Fosters O & E III.

Sponsor: J.F. Jenkyn.

The second year, red clover.

For previous year see 73/R/CS/109.

Design: 3 randomised blocks of 10 plots.

Whole plot dimensions: 4.27 x 4.27. Area harvested: 0.00039.

Treatments: Fungicide

FUNGICIDE

None (5 plots per block)

O

Benomyl, two sprays, early Sept and early Oct

BEN(E)

Benomyl, two sprays, early Oct and early Nov

BEN(M)

Benomyl, two sprays, early Nov and early Dec

BEN(L)

Benomyl, five sprays, early Sept until early Jan

BEN(EML)

Captafol, five sprays, early Sept until early Jan

CAP(EML)

- NOTES: 1. Benomyl applied 18 Sept, 1973, 12 Oct, 7 Nov, 6 Dec and 4 Jan, 1974 at 0.56 kg in 290 l.
2. Captafol applied on same dates at 1.34 kg in 290 l.
3. Sclerotinia infected soil was spread on all plots on 7 Sept, 1972.

Basal applications: Manures: (0:14:28) at 540 kg. Muriate of potash at 126 kg. Magnesium sulphate (Epsom salts) at 350 kg.

Cultivations, etc.: PK and Mg applied: 27 Feb, 1974. K applied: 7 Mar. Cut once: 5 July.

NOTE: Counts were made of apothecia of Sclerotinia on 25 Oct, 1973. Estimates of percentage cover of clover were made in June 1974.

Standard error per plot. Dry matter, tonnes/hectare:
1st and only cut: 0.422 or 13.7% (22 d.f.)

74/R/CS/109

TABLE OF MEANS

DRY MATTER: TONNES/HECTARE

1ST AND ONLY CUT

FUNGICIDE

O	BEN(E)	BEN(M)	BEN(L)	BEN(EML)	CAP(EML)	Mean
3.47	1.92	2.08	2.89	3.99	2.52	3.07

STANDARD ERRORS OF DIFFERENCES

FUNGICIDE

O v any of remainder	0.267
Between any of remainder	0.345

Mean D.M. % 17.6