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## Yields of the Field Experiments 1974

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### 74/R/SW/1 Control of Mildew - Swedes

74/R/SW/1 *Control of Mildew - Swedes*, Rothamsted Research (1975) Yields Of The Field Experiments 1974, pp 361 - 362 - DOI: <https://doi.org/10.23637/ERADOC-1-119>

74/R/SW/1

SWEDES

CONTROL OF MILDEW

Object: To study the effects of several fungicides on powdery mildew (*Erysiphe cruciferarum*) and yield of swedes - Garden Plot 10.

Sponsors: J.F. Jenkyn, J.M. Hirst.

Design: 2 randomised blocks of 6 plots.

Whole plot dimensions: 1.90 x 5.79. Area harvested: 0.00066.

| Treatments: Fungicides:   | FUNGICIDE |
|---|-----------|
| None  | None      |
| Benomyl, 1.0 kg, applied in the drill at sowing   | BenS      |
| Benomyl, 1.0 kg, foliar spray + 'Manoxol OT' wetter, 0.07 kg  | BenF      |
| Tridemorph, 0.5 kg foliar spray + 'Manoxol OT' wetter, 0.07 kg  | TriF      |
| Carbendazom, 0.15 kg, + tridemorph, 0.26 kg, + maneb, 1.6 kg, foliar spray + 'Manoxol OT' wetter, 0.07 kg | CaTriMaF  |
| Pyrazophos, 0.3 l, foliar spray + 'Manoxol OT' wetter, 0.07 kg  | PyrazF    |

NOTE: Foliar fungicides were applied in 340 l at above rates on three occasions: 29 July, 19 Aug, 17 Sept.

Basal applications: Manures: (0:20:20) at 1000 kg, 'Nitro-Chalk' at 250 kg.

Seed: Wilhelmsburger, sown at 4.4 kg.

Cultivations, etc.: - PK applied: 20 Nov, 1973. Ploughed: 11 Dec. Power harrowed: 7 May, 1974. Rotary cultivated: 13 May. Seed sown and N applied: 14 May. Lifted: 2 Jan, 1975.

NOTE: Powdery mildew was assessed on a number of occasions during the season.

Standard error per plot.

Roots, tonnes/hectare: 3.78 or 7.3% (5 d.f.)

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TABLE OF MEANS

ROOTS: TONNES/HECTARE

| FUNGICIDE |      |      |      |          |        |      |
|-----------|------|------|------|----------|--------|------|
| None      | BenS | BenF | TriF | CaTriMaF | PyrazF | Mean |
| 40.3      | 43.7 | 67.0 | 55.0 | 54.8     | 51.7   | 52.1 |

STANDARD ERROR OF DIFFERENCES

FUNGICIDE

3.67