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## Numerical Results of the Field Experiments 1969

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### 69/R/CS/25 - Insecticides & Molluscicides - Old Grass

#### Rothamsted Research

Rothamsted Research (1970) *69/R/CS/25 - Insecticides & Molluscicides - Old Grass* ; Numerical Results Of The Field Experiments 1969, pp 188 - 189 - **DOI:**

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# INSECTICIDES AND MOLLUSCICIDES

(69/R/CS/25)

Old Grass, Road Piece 1969, the second year. For previous year's results see 'Results' 68/C/17.

Design: 4 randomised blocks of 7 plots.

Area of each plot: 0.0209. Area harvested: 0.0054.

|                                                                                            |        |
|--------------------------------------------------------------------------------------------|--------|
| Treatments: Untreated, no sampling                                                         | (O)    |
| Untreated, sampled                                                                         | (S)    |
| BHC spray at 6 lb in 200 gals applied in 1968 only<br>none in 1969                         | (B)    |
| Chlorbenside spray at 19 oz in 200 gals (applied 5 times,<br>starting after the first cut) | (C)    |
| Metalddehyde bait at 1 lb a.i. (applied 6 times, starting<br>after the first cut)          | (M)    |
| Menazon spray at 6 oz in 200 gals (applied 5 times, starting<br>after the first cut)       | (P)    |
| Combined treatments                                                                        | (BCMP) |

Basal applications: 4 cwt (0:14:28) in winter, 3.5 cwt (25:0:16) in spring and 200 lb after each cut except the last.

Cultivations, etc.: Basal PK applied: 14 Nov, 1968. Basal NK applied: 5 Mar, 1969. Cut 3 times: 4 June, 17 July, 18 Sept. NK compound applied after first 2 cuts. Insecticides and molluscicides applied: BHC: 6 June, 1968. Chlorbenside: 12 June, 1969, 15 July, 11 Aug, 11 Sept, 12 Oct. Metalddehyde: 13 June, 15 July, 11 Aug, 11 Sept, 12 Oct, 19 Nov. Menazon: 11 June, 24 July, 11 Aug, 11 Sept, 12 Oct.

NOTE: Samples were taken for botanical analysis. Samples for fauna were taken throughout the year. All plots except treatment (O) were sampled as treatment (S).

Standard errors per plot. Dry matter, cwt:

|                  |                         |
|------------------|-------------------------|
| 1st cut:         | 2.31 or 6.0% (18 d.f.)  |
| 2nd cut:         | 1.58 or 10.2% (18 d.f.) |
| 3rd cut:         | 1.25 or 8.9% (18 d.f.)  |
| Total of 3 cuts: | 2.81 or 4.1% (18 d.f.)  |

## SUMMARY OF RESULTS

## DRY MATTER, CWT

| O               | S    | B    | C    | M    | P    | BCMP | Mean |
|-----------------|------|------|------|------|------|------|------|
| 1ST CUT         |      |      |      |      |      |      |      |
| (±1.16)         |      |      |      |      |      |      |      |
| 38.1            | 36.2 | 41.4 | 38.1 | 39.1 | 39.4 | 38.5 | 38.7 |
| 2ND CUT         |      |      |      |      |      |      |      |
| (±0.79)         |      |      |      |      |      |      |      |
| 13.7            | 15.4 | 14.8 | 14.2 | 16.2 | 15.4 | 17.9 | 15.4 |
| 3RD CUT         |      |      |      |      |      |      |      |
| (±0.62)         |      |      |      |      |      |      |      |
| 13.7            | 14.8 | 14.5 | 13.9 | 13.3 | 14.1 | 13.7 | 14.0 |
| TOTAL OF 3 CUTS |      |      |      |      |      |      |      |
| (±1.40)         |      |      |      |      |      |      |      |
| 65.5            | 66.3 | 70.7 | 66.2 | 68.6 | 69.0 | 70.1 | 68.0 |

Mean D.M. %: 1st cut: 17.0  
 2nd cut: 20.3  
 3rd cut: 19.2  
 Total of 3 cuts: 18.8