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Numerical Results of the Field Experiments 1969

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69/R/CS/13 - N Levels to Old Grass - Old Grass (Park Grass Plot 6 Microplots)

Rothamsted Research

Rothamsted Research (1970) *69/R/CS/13 - N Levels to Old Grass - Old Grass (Park Grass Plot 6 Microplots)* ; Numerical Results Of The Field Experiments 1969, pp 143 - 144 - DOI:

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N LEVELS TO OLD GRASS

(69/R/CS/13)

Park Grass Plot 6, 1969, the fifth year

For details of treatments etc., and for previous years' results see 'Results' 65/C/33, 66/C/14, 67/C/10 and 68/C/8.

Area of each plot: 0.0045. Area harvested: Cuts 1 - 5, 0.0021.
Cut 6, 0.0012.

In 1969 all plots were cut six times, the N rates being applied to C6 plots in 6 equal amounts and to C3 plots in 3 equal amounts. The total rates, which are cumulative with previous applications, remain the same.

Cultivations, etc.: P, K, Na and Mg fertilisers applied: 21 Nov, 1968. 'Nitro-Chalk' applied: 7 Mar, 1969. S plots sprayed with mecoprop at 45 oz a.e. in 50 gals: 26 June. Cut six times: 12 May, 9 June, 8 July, 6 Aug, 9 Sept, 11 Nov. 'Nitro-Chalk' applied to C6 plots after first 5 cuts and to C3 plots on 9 June and 6 Aug.

Standard error per plot. Dry matter, cwt:
Total of all 6 cuts: 5.93 or 10.5% (27 d.f.)

SUMMARY OF RESULTS

DRY MATTER, CWT: TOTAL OF ALL CUTS

| | NO | SNO | N1 | N2 | N3 | Mean |
|--------------|------|------|---------|------|------|---------|
| | | | (±2.96) | | | (±1.33) |
| C3 | 51.1 | 21.2 | 60.4 | 74.7 | 77.9 | 57.1 |
| C6 | 46.6 | 20.1 | 58.2 | 76.6 | 79.8 | 56.3 |
| Mean (±2.10) | 48.9 | 20.7 | 59.3 | 75.7 | 78.9 | 56.7 |

Mean D.M. %: 20.8