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Numerical Results of the Field Experiments 1968

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68/C/17 Insecticides and Molluscicides - Grass

Rothamsted Research

Rothamsted Research (1970) *68/C/17 Insecticides and Molluscicides - Grass* ; Numerical Results Of The Field Experiments 1968, pp 187 - 188 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/C/25.2

SUMMARY OF RESULTS

DRY MATTER

	O	I	E	G	Mean
STACKYARD (R)					
1ST CUT					
Mean (± 1.12)	21.7	17.9	24.3	29.3	23.3
	(1) and (2)				(± 0.50)
U	17.8	15.2	22.0	28.5	20.9
M	25.5	20.6	26.6	30.2	25.7
	(3) and (4)				(± 0.70)
NO	18.6	11.2	21.7	10.2	15.4
N1	19.6	17.5	23.7	27.1	22.0
N2	24.3	21.1	27.1	37.8	27.6
N3	24.0	21.8	24.7	42.3	28.2

Mean D.M. %: 18.1

(1) (± 1.32) (3) (± 1.65) For use in horizontal and diagonal comparisons only

(2) (± 0.99) (4) (± 1.40) For use in vertical and interaction comparisons only

68/c/25.1

N FIXATION - LUCERNE AND GRASS

(EAT and WEAQ)

Nitrogen fixation by lucerne - Rothamsted (R) Stackyard and Woburn (W) Stackyard C 1968, the second year. For treatments etc. and for the previous year's results see 'Results' 67/c/33.

In 1968 the nitrogen treatments were none (N0), 30 (N1), 60 (N2), 90 (N3) lb N as 'Nitro-Chalk' applied for every cut.

Cultivations, etc.:-

Stackyard (R): PK and first 'Nitro-Chalk' dressings applied:

22 Mar, 1968. Cut 4 times: 15 May, 2 July, 12 Aug and

30 Sept. 'Nitro-Chalk' applied after first 3 cuts.

Stackyard C (W): PK and first 'Nitro-Chalk' dressings applied:

25 Mar, 1968. Cut twice: 20 May, 3 July. 'Nitro-Chalk' applied after each cut.

NOTES: (1) An error was made in applying the N dressings after the second cut on Stackyard C (W) and the experiment was therefore discontinued.

(2) Soil samples were taken on 2 Feb, 1968 for counts of *Rhizobium leguminosarum*.

Standard errors per plot. Dry matter:

Stackyard (R): 1st cut:	Whole plot:	4.49 or 19.3% (6 d.f.)
	Sub plot:	2.81 or 12.0% (24 d.f.)
2nd cut:	Whole plot:	1.95 or 7.8% (6 d.f.)
	Sub plot:	3.92 or 15.6% (24 d.f.)
3rd cut:	Whole plot:	1.80 or 10.8% (6 d.f.)
	Sub plot:	1.59 or 9.5% (24 d.f.)
4th cut:	Whole plot:	1.26 or 12.1% (6 d.f.)
	Sub plot:	1.46 or 13.9% (24 d.f.)
Total of 4 cuts:	Whole plot:	8.71 or 11.5% (6 d.f.)
	Sub plot:	7.65 or 10.1% (24 d.f.)

Stackyard C (W):

1st cut:	Whole plot:	3.21 or 12.7% (6 d.f.)
	Sub plot:	4.54 or 18.0% (24 d.f.)
2nd cut:	Whole plot:	1.13 or 4.9% (6 d.f.)
	Sub plot:	2.70 or 11.6% (24 d.f.)
Total of 2 cuts:	Whole plot:	3.99 or 8.2% (6 d.f.)
	Sub plot:	6.93 or 14.3% (24 d.f.)