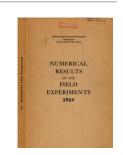
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.



Numerical Results of the Field Experiments 1969



Full Table of Content

69/S/CS/3 - Rates, Forms and Times of N - Grass

Rothamsted Research

Rothamsted Research (1970) 69/S/CS/3 - Rates, Forms and Times of N - Grass; Numerical Results Of The Field Experiments 1969, pp 231 - 232 - DOI: https://doi.org/10.23637/ERADOC-1-96

231

GRASS

(69/s/cs/3)

Rates, forms and times of application of N, Saxmundham Grove Plot, 1969, the first year.

NOTE: This experiment is sited on the area occupied by grass, 'N and cutting', 1967 - 68 (see 'Results' 67/C/47 and 68/C/43) - the previous treatments are ignored.

Design: 4 randomised blocks of 9 plots.

Area of each plot: 0.0018. Area harvested: 1st cut: 0.0013, 2nd and 3rd cuts: 0.0012, 4th cut: 0.0007.

Treatments	(T): (in cwt N)				
	Anhydrous ammonia	Date of application			
1	0.0	0.0	11 Mar		
2	2.5	0.0	11 Mar		
3	5.0	0.0	11 Mar		
3	0.0	2.5	11 Mar		
5	0.0	5.0	11 Mar		
5	2.5 + 'N serve'	0.0	11 Mar		
7 8	5.0 + 'N serve'	0.0	11 Mar		
8	0.0	1.25	11 Mar		
		.63	29 May		
		.62	29 July		
9	0.0	2.5	11 Mar		
		1.25	29 May		
		1.25	29. July		
10	2.5	0.0	11 Mar		
		1.25	29 May		
		1.25	29 July		

Basal applications: 1.0 cwt P205, 2.0 cwt K20 as triple superphosphate and muriate of potash.

Cultivations, etc.: Basal PK applied: 11 Mar, 1969. Cut 4 times: 29 May, 22 July, 11 Sept, 28 Oct.

NOTE: The yields of Treatment 1 were omitted from the analysis.

Standard errors per plot. Dry matter, cwt:

1st cut:
2nd cut:
3.88 or 12.2% (24 d.f.)
3rd cut:
1.69 or 9.8% (24 d.f.)
4th cut:
1.40 or 21.0% (24 d.f.)

Total of 4 cuts:
6.54 or 6.4% (24 d.f.)

232

SUMMARY OF RESULTS

DRY MATTER: CWT

T2	Т3	T4	T5	T6	Т7	т8	Т9	TlO	Mean	
ne Protection and	100		Car de la constitución de la con		1ST CUT					
				(±2.62)				1	
47.0	47.4	45.9	52.4	44.2	44.2	38.6	47.6	48.0	46.2	
					2ND CUT					
				(±1.9	14)				in a teat	
30.5	35.5	10.8	34.4	35.3	37.5	26.1	38.9	37.8	31.9	
					3RD CUT					
				(±0.84	.)				1	
9.4	18.9	4.4	12.8	13.8	21.9	21.4	26.1	26.5	17.2	
					4TH CUT					
				(±0.70)				1	
7.7	7.4	4.8	7.0	6.2	7.5	6.1	6.5	6.9	6.7	
				TOI	AL OF 4	CUTS				
				(±3.27	7)				1	
94.5	109.2	65.9	106.7	99.4	111.1	92.2	119.1	119.3	101.9	
1st cut: 2nd cut:		10. 2			0.M. %* L8.3					
3rd c	ut:	uts:	18	.0	2	26.5 39.2 27.2				
× 433										

^{*} All plots