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Numerical Results of the Field Experiments 1969

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69/W/CS/32 - IbdU - Ryegrass

Rothamsted Research

Rothamsted Research (1970) 69/W/CS/32 - IbdU - Ryegrass ; Numerical Results Of The Field Experiments 1969, pp 205 - 206 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

GRASS

(69/W/CS/32)

The effect of granule size on the rate of release of N from IBDU (Iso-butyridene di-urea), Woburn Stackyard B, second year 1969.

For treatments and previous year's results see 'Results' 68/C/24.

Area of each plot: 0.0014. Area harvested: 0.0008.

Basal applications: 4 cwt (0:14:28).

Cultivations, etc.: Basal PK compound applied: 6 Mar, 1969. Cut twice: 20 May, 1 July.

NOTE: % N in grass was determined and N uptake calculated.

Standard errors per plot. Dry matter, cwt:
1st cut: 1.28 or 13.2% (34 d.f.)
2nd cut: 0.41 or 8.1% (34 d.f.)
Total of 2 cuts: 1.46 or 9.9% (34 d.f.)

SUMMARY OF RESULTS

DRY MATTER: CWT

	O	A	P	S	M	L	Mean
1ST CUT							
	(±0.74)						(±0.33)
N1		6.6	6.9	6.6	7.0	9.0	7.2
N2		7.2	8.2	7.6	10.3	16.0	9.8
N3		10.4	11.7	12.0	13.3	25.6	14.6
Mean (±0.43)	5.5	8.0	8.9	8.8	10.2	16.8	9.7*
2ND CUT							
	(±0.24)						(±0.11)
N1		4.9	4.6	5.1	5.1	5.1	4.9
N2		4.7	5.0	4.9	5.4	4.9	5.0
N3		5.2	5.3	5.4	5.2	6.3	5.5
Mean (±0.14)	4.6	4.9	5.0	5.1	5.2	5.4	5.0*
TOTAL OF 2 CUTS							
	(±0.84)						(±0.38)
N1		11.5	11.5	11.7	12.1	14.1	12.2
N2		11.8	13.2	12.5	15.6	20.9	14.8
N3		15.5	17.0	17.4	18.5	31.9	20.1
Mean (±0.49)	10.1	13.0	13.9	13.9	15.4	22.3	14.8*

* General mean

Mean D.M. %: 1st cut: 28.2
 2nd cut: 36.0
 Total of 2 cuts: 32.1