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71/W/CS/60 Glycoluril for Grass - Ryegrass

Rothamsted Research

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71/W/CS/60

GLYCOLURIL FOR GRASS

Object: To study the residual effects of glycoluril, applied in 1970, used as a slow-N fertiliser for grass, Woburn, Stackyard D.

The second year, ryegrass.

For previous year see 70/W/CS/60(t).

Whole plot dimensions: 0.84 x 1.52. Area harvested: 0.00154.

Basal applications: 628 kg (0:14:28).

Cultivations, etc.: PK applied to all plots, 'Nitro-Chalk' applied to ND plots: 17 Mar, 1971. Cut once: 21 May. Variety: S24 Ryegrass.

- NOTES: (1) The 'Nitro-Chalk' to ND plots was the third dressing, which should have been applied in 1970, but was **delayed because of drought**.
- (2) Grass samples were taken to determine dry matter and percentage N.

Standard error per plot. Dry matter, tonnes/hectare:
1st and only cut: 0.375 or 15.5% (30 d.f.)

71/W/CS/60

SUMMARY OF RESULTS

DRY MATTER: TONNES/HECTARE

1ST AND ONLY CUT

N: KG/HA

	0	112	224	336	Mean
		(±0.217)			(±0.215)
GP		1.44	2.90	4.44	2.92
GG		1.55	3.25	5.06	3.29
NS		0.84	0.89	1.63	1.12
ND		2.48	5.02	6.34	4.61
Mean (±0.108)	0.75	1.58	3.01	4.37	2.43*

* General mean

Mean D.M. %: 20.9