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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