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Yields of the Field Experiments 1971

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71/R/PG/5 Park Grass - Hay

Rothamsted Research

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71/R/PG/5

PARK GRASS

Object: To study the effects of organic and inorganic manures on permanent grass (for hay). The effects of liming are also studied.

The 116th year, hay.

For previous years see 'Details' 1967, 68/A/6(t) and 69-70/R/PG/5.

Cultivations, etc.: Mineral fertilisers applied, fish meal applied: 10 Nov, 1970. N applied: 1st dressing - 30 Mar, 1971, 2nd dressing - 19 Apr. Cut twice: 24 June, 15 Sept.

71/R/PG/5

SUMMARY OF RESULTS

DRY MATTER: TONNES/HECTARE

| Plot | 1st cut | | | | 2nd cut | | | | Total of 2 cuts | | | | Mean |
|------|---------|------|------|------|---------|------|------|------|-----------------|-------|-------|-------|-------|
| | a | b | c | d | a | b | c | d | a | b | c | d | |
| 1 | 2.49 | 2.26 | 1.66 | 0.52 | 1.43 | 1.32 | 0.50 | 0.48 | 3.92 | 3.57 | 2.16 | 1.00 | 2.66 |
| 2 | 1.78 | 1.71 | 1.74 | 1.73 | 1.17 | 1.00 | 0.83 | 1.02 | 2.95 | 2.72 | 2.56 | 2.75 | 2.75 |
| 3 | 1.61 | 1.80 | 1.59 | 1.50 | 0.84 | 0.86 | 0.82 | 0.83 | 2.44 | 2.66 | 2.40 | 3.27 | 2.46 |
| 4-1 | 2.26 | 2.25 | 2.09 | 2.15 | 1.19 | 1.18 | 1.14 | 1.12 | 3.45 | 3.43 | 3.24 | 4.40 | 3.35 |
| 4-2 | 3.41 | 3.41 | 3.99 | 3.21 | 1.19 | 1.18 | 0.88 | 1.19 | 4.60 | 4.59 | 4.88 | 4.40 | 4.62 |
| 7 | 5.57 | 5.38 | 2.97 | 3.49 | 3.66 | 3.58 | 2.00 | 1.81 | 9.23 | 8.97 | 4.97 | 5.30 | 7.12 |
| 8 | 2.52 | 2.34 | 2.80 | 2.71 | 1.53 | 1.30 | 1.47 | 1.47 | 4.05 | 3.64 | 4.27 | 4.18 | 4.04 |
| 9 | 6.94 | 7.03 | 7.66 | 5.93 | 2.93 | 2.79 | 1.62 | 1.03 | 9.87 | 9.82 | 9.28 | 6.96 | 8.98 |
| 10 | 4.54 | 4.74 | 5.09 | 3.99 | 1.55 | 1.50 | 1.34 | 1.17 | 6.09 | 6.24 | 6.43 | 5.16 | 5.98 |
| 11-1 | 7.52 | 7.68 | 9.10 | 7.57 | 2.97 | 2.32 | 2.52 | 3.01 | 10.49 | 10.00 | 11.62 | 10.58 | 10.67 |
| 11-2 | 7.45 | 7.99 | 7.17 | 7.90 | 3.88 | 3.56 | 2.35 | 2.48 | 11.32 | 11.56 | 9.53 | 10.38 | 10.70 |
| 12 | 2.35 | 2.94 | 2.94 | 2.94 | 1.52 | 1.52 | 1.18 | 1.18 | 3.87 | 3.87 | 4.12 | 4.12 | 4.00 |
| 13 | 5.37 | 5.50 | 5.00 | 4.46 | 3.24 | 2.99 | 2.31 | 1.96 | 8.61 | 8.49 | 7.30 | 6.42 | 7.71 |
| 14 | 6.37 | 5.07 | 6.16 | 6.45 | 1.10 | 2.53 | 3.17 | 3.38 | 7.47 | 7.60 | 9.33 | 9.83 | 8.56 |
| 15 | 4.80 | 4.80 | 2.57 | 2.57 | 2.85 | 2.85 | 1.44 | 1.44 | 7.65 | 7.65 | 4.00 | 4.00 | 5.83 |
| 16 | 5.36 | 5.48 | 4.42 | 4.26 | 2.59 | 2.73 | 2.22 | 1.88 | 7.95 | 8.21 | 6.64 | 6.14 | 7.24 |
| 17 | 2.52 | 2.46 | 3.01 | 3.05 | 1.34 | 1.26 | 1.34 | 1.56 | 3.85 | 3.72 | 4.36 | 4.61 | 4.14 |
| 18-1 | | | 3.92 | 1.69 | | | 1.40 | 0.93 | | | 5.32 | 2.62 | 3.97 |
| 18-2 | | | | | 1.89 | 1.98 | | | 5.48 | 5.60 | | | 5.00 |
| 18-3 | 3.58 | 3.61 | | | | | | | | | | | 5.54 |
| 19-1 | | | | | | | | | | | | | 7.12 |
| 19-2 | | | | | | | | | | | | | 8.61 |
| 19-3 | | | | | | | | | | | | | 7.85 |
| 20-1 | | | | | | | | | | | | | 8.85 |
| 20-2 | | | | | | | | | | | | | 7.94 |
| 20-3 | | | | | | | | | | | | | 7.98 |

Total of 2 cuts: 25.3

2nd cut: 26.2

Mean D.M. %: 1st cut: 24.4