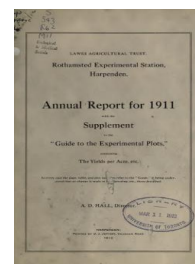


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Annual Report for 1911 With the Supplements to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Hay the Park Grass Plots 1911 ; Botanical Composition per Cent First Crop 1911

Rothamsted Research

Rothamsted Research (1912) *Hay the Park Grass Plots 1911 ; Botanical Composition per Cent First Crop 1911* ; Annual Report For 1911 With The Supplements To The Guide To The Experimental Plots Containing The Yields Per Acre, Etc., pp 16 - 16 - DOI: <https://doi.org/10.23637/ERADOC-1-103>

HAY. THE PARK GRASS PLOTS, 1911.

(See "Guide," page 19, Table XI.)

| Plot. | Manuring. | Yield of Hay per acre. | | |
|-------|--|------------------------|-----------------|--------|
| | | 1st Crop. | 2nd Crop. | Total. |
| | | Cwt. | | Cwt. |
| 3) | Unmanured | 17·3 | NO SECOND CROP. | 17·3 |
| 12) | | 19·0 | | 19·0 |
| 2 | Unmanured (1) | 21·3 | | 21·3 |
| 1 | Ammonium Salts alone (1) | 21·1 | | 21·1 |
| 4-1 | Superphosphate of Lime | 20·4 | | 20·4 |
| 8 | Mineral Manure without Potash | 23·6 | | 23·6 |
| 7 | Complete Mineral Manure | 31·9 | | 31·9 |
| 6 | As 7, 1869 and since (2) | 28·8 | | 28·8 |
| 15 | As 7, 1876 and since (3) | 33·3 | | 33·3 |
| 5 | Superphosphate and Potash, 1898 and since | 16·7 | | 16·7 |
| 17 | Nitrate of Soda alone | 30·3 | | 30·3 |
| 4-2 | Superphosphate and Amm. Salts | 26·5 | | 26·5 |
| 10 | Mineral Manure (without Potash) and Amm. Salts | 31·1 | | 31·1 |
| 9 | Complete Mineral Manure and Amm. Salts | 45·5 | | 45·5 |
| 13 | Dung and Fish Guano, once in 4 years | 39·1 | | 39·1 |
| 11-1 | Complete Mineral Manure and extra Amm. Salts | 46·5 | | 46·5 |
| 11-2 | As 11-1, and Silicate Soda | 52·9 | | 52·9 |
| 16 | Complete Mineral Manure and Nit. Soda=43 lb. N. | 39·9 | | 39·9 |
| 14 | Complete Mineral Manure and Nit. Soda=86 lb. N. | 44·4 | | 44·4 |

Quick Lime (ground) at the rate of 2000 lb. per acre, applied to the South half of plots 1 to 4-2, 7 to 11-2, 13 and 16, in January, 1907.

(1) Received Farmyard Dung, 8 years, 1856—63. (3) Nitrate of Soda alone previously.

(2) Ammonium Salts alone previous to 1869.

BOTANICAL COMPOSITION, PER CENT.

First Crop, 1911.

(See "Guide," page 20, Table XII.)

| Plot. | Manuring. | Gramineæ. | Leguminosæ. | Other Orders. |
|-------|--------------------------------------|-----------|-------------|---------------|
| | | Per cent. | Per cent. | Per cent. |
| 3 | Unmanured | 45·7 | 4·5 | 49·8 |
| 4-1 | Superphosphate of Lime | 45·2 | 10·0 | 44·8 |
| 8 | Mineral Manure without Potash | 51·5 | 9·0 | 39·5 |
| 7 | Complete Mineral Manure | 65·3 | 10·4 | 24·3 |
| 6 | As 7, 1869 and since (2) | 58·3 | 12·1 | 29·6 |
| 15 | As 7, 1876 and since (3) | 61·8 | 4·8 | 33·4 |