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## **Rothamsted Report for 1908**



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## Hay the Park Grass Plots 1908; Botanical Composition per Cent First Crop 1908

## **Rothamsted Research**

Rothamsted Research (1909) *Hay the Park Grass Plots 1908 ; Botanical Composition per Cent First Crop 1908 ;* Rothamsted Report For 1908, pp 12 - 12 **- DOI:** 

https://doi.org/10.23637/ERADOC-1-100

12 HAY. THE PARK GRASS PLOTS, 1908.

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

| Plot.                      | Manuring.   | Yield of Hay per Acre.            |   |  |
|----------------------------|---|-----------------------------------|---|--|
|                            |   | 1st Crop.                         | 2nd Crop.                               | Total.                                       |
| 3)<br>12)<br>2<br>1<br>4-1 | Unmanured Unmanured (1) Ammonium Salts alone (1) Superphosphate of Lime   | Cwt. ( 11:5 ( 15:3 15:6 22:5 14:8 | Cwt.<br>2·3<br>3·8<br>2·0<br>5·0<br>1·5 | Cwt.<br>13·8<br>19·1<br>17·6<br>27·5<br>16·3 |
| 8<br>7<br>6<br>15<br>5     | Mineral Manure without Potash Complete Mineral Manure As 7, 1869 and since (2) As 7, 1876 and since (3) Superphosphate and Potash, 1898 | 17·8<br>36·8<br>34·1<br>36·5      | 3·7<br>10·5<br>11·2<br>11·9             | 21·5<br>47·3<br>45·3<br>48·4                 |
| 17<br>4-2<br>10            | and since   | 19.5 $20.6$ $34.3$ $35.7$         | 3·7<br>3·4<br>2·0<br>4·6                | 23·2<br>24·0<br>36·3<br>40·3                 |
| 9                          | Complete Mineral Manure and Amm<br>salts<br>Dung and Fish Guano, once in 4 yrs.   | 51.1                              | 6.6                                     | 57·5<br>35·4                                 |
| 11-1<br>11-2<br>16         | Complete Mineral Manure and extra<br>Ammsalts<br>As 11-1, and Silicate Soda<br>Complete Mineral Manure and Nit.                         | 60·0<br>62·7                      | 14·4<br>15·9                            | $74 \cdot 4 \\ 78 \cdot 6$                   |
| 14                         | Soda=43 lb. N   | 38·2<br>54·3                      | 9·3<br>7·2                              | 47·5<br>61·5                                 |

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 yrs., 1856-63.

(2) Ammonium salts alone, previous to 1869.

## BOTANICAL COMPOSITION, PER CENT.

First Crop, 1908.

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

| Manuring.                     |  | Gramineæ.   | Leguminosæ.   | Other Orders.   |
|-------------------------------|--|---|---|---|
|                               |  | Per cent.   | Per cent.   | Per cent.   |
| Unmanured                     | •••  | 55.6  | 12.7  | 31.7  |
| Superphosphate of Lime        |  | 56.5  | 9.7   | 33.8  |
| Mineral Manure without Potash |  | 43.8  | 20.3  | 35.9  |
| Complete Mineral Manure       |  | 56.0  | 28.8  | 15.2  |
| As 7, 1869 and since (2)      |  | 50.8  | 33.9  | 15.3  |
| As 7, 1876 and since (3)      |  | 59.0  | 21.2  | 19.8  |
|                               | Unmanured Superphosphate of Lime  Mineral Manure without Potash  Complete Mineral Manure  As 7, 1869 and since (2) | Unmanured Superphosphate of Lime Mineral Manure without Potash Complete Mineral Manure As 7, 1869 and since (2) | Per cent.  Unmanured 55.6  Superphosphate of Lime 56.5  Mineral Manure without Potash 43.8  Complete Mineral Manure 56.0  As 7, 1869 and since (2) 50.8 | Per cent.  Unmanured 55·6 12·7  Superphosphate of Lime 56·5 9·7  Mineral Manure without Potash 43·8 20·3  Complete Mineral Manure 56·0 28·8  As 7, 1869 and since (2) 50·8 33·9 |