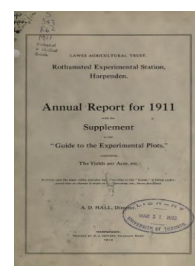


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## Annual Report for 1911 With the Supplements to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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### Little Hoos Field 1904-11 Residual Value of Various Manures

#### Rothamsted Research

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LITTLE HOOS FIELD, 1904-1911.

RESIDUAL VALUE OF VARIOUS MANURES.

(See "Guide," pages 41 and 42.)

TOTAL PRODUCE—Grain and Straw, or Roots and Leaves, per acre.

| Series and Plot. | Manuring.                      | Swedes      | Barley      | Man-golds   | Spring      | Swedes      | Barley      | Wheat       | Man-golds   |
|------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                  |                                | 1904.       | 1905.       | 1906.       | Wheat       | 1908.       | 1909.       | 1910.       | 1911.       |
|                  |                                | Tons.       | lbs.        | Tons.       | lbs.        | Tons.       | lbs.        | lbs.        | Tons.       |
| A 1              | Unmanured ... ..               | 10.3        | 2323        | 17.1        | 3650        | 14.0        | 3792        | 2270        | 11.6        |
| 2                | Dung (ordinary), 1904 and 1908 | <b>13.1</b> | 4649        | 18.2        | 4673        | <b>19.1</b> | 5128        | 2572        | 13.9        |
| 3                | " " 1905 and 1909              | 8.8         | <b>3501</b> | 17.5        | 5393        | 14.5        | <b>5544</b> | 2681        | 14.1        |
| 4                | " " 1906 and 1910              | 8.8         | 2269        | <b>18.2</b> | 5471        | 15.5        | 4057        | <b>2406</b> | 12.5        |
| 5                | " " 1907 and 1911              | 9.8         | 2402        | 14.9        | <b>6903</b> | 17.3        | 4581        | 2358        | <b>15.8</b> |
| B 1              | Dung (cake fed), 1904 and 1908 | <b>15.7</b> | 4177        | 19.4        | 4319        | <b>22.4</b> | 5362        | 2386        | 14.1        |
| 2                | Unmanured ... ..               | 10.0        | 2417        | 16.2        | 4025        | 14.3        | 3862        | 2261        | 12.0        |
| 3                | Dung (cake fed), 1905 and 1909 | 9.5         | <b>5530</b> | 18.5        | 5497        | 14.2        | <b>6641</b> | 2921        | 14.2        |
| 4                | " " 1906 and 1910              | 11.4        | 2772        | <b>25.6</b> | 6489        | 16.9        | 4400        | <b>3502</b> | 14.4        |
| 5                | " " 1907 and 1911              | 9.4         | 2649        | 14.4        | <b>9407</b> | 19.0        | 4298        | 2369        | <b>17.1</b> |
| C 1              | Shoddy, 1904 and 1908 ...      | <b>14.7</b> | 3656        | 21.0        | 4667        | <b>19.7</b> | 3969        | 2295        | 11.4        |
| 2                | " " 1905 and 1909 ...          | 11.1        | <b>4363</b> | 23.6        | 4550        | 16.3        | <b>4558</b> | 2387        | 11.6        |
| 3                | Unmanured ... ..               | 10.6        | 2588        | 17.7        | 4334        | 15.1        | 3850        | 2561        | 11.7        |
| 4                | Shoddy, 1906 and 1910 ...      | 10.7        | 2512        | <b>24.2</b> | 6231        | 19.1        | 4466        | <b>3461</b> | 14.0        |
| 5                | " " 1907 and 1911 ...          | 10.3        | 2615        | 16.9        | <b>7495</b> | 22.2        | 5448        | 2560        | <b>14.7</b> |
| D 1              | Guano, 1904 and 1908 ...       | <b>14.6</b> | 2550        | 20.1        | 4056        | <b>20.9</b> | 3608        | 1742        | 10.5        |
| 2                | " " 1905 and 1909 ...          | 11.0        | <b>5176</b> | 19.7        | 4165        | 15.3        | <b>6834</b> | 2114        | 11.5        |
| 3                | " " 1906 and 1910 ...          | 10.9        | 2857        | <b>25.6</b> | 4846        | 15.9        | 4053        | <b>3392</b> | 11.1        |
| 4                | Unmanured ... ..               | 10.6        | 2985        | 18.7        | 4618        | 17.4        | 4510        | 2739        | 11.8        |
| 5                | Guano, 1907 and 1911 ...       | 10.6        | 2680        | 17.4        | <b>7375</b> | 15.7        | 4014        | 2374        | <b>14.2</b> |
| E 1              | Rape Cake, 1904 and 1908 ...   | <b>14.1</b> | 2674        | 17.8        | 3887        | <b>19.7</b> | 3750        | 2180        | 10.7        |
| 2                | " " 1905 and 1909 ...          | 11.2        | <b>4185</b> | 17.9        | 4326        | 15.1        | <b>5203</b> | 2242        | 11.7        |
| 3                | " " 1906 and 1910 ...          | 9.5         | 2645        | <b>22.7</b> | 4584        | 14.5        | 3866        | <b>3486</b> | 11.5        |
| 4                | " " 1907 and 1911 ...          | 10.5        | 2734        | 19.4        | <b>6619</b> | 15.2        | 4661        | 2516        | <b>14.5</b> |
| 5                | Unmanured ... ..               | 10.8        | 2769        | 19.5        | 4527        | 14.7        | 4155        | 2784        | 12.7        |
| F 1              | Unmanured ... ..               | 11.7        | 3132        | 22.9        | 4749        | 14.1        | 4814        | 3166        | 8.7         |
| 2                | Superphosphate, 1904 and 1908  | <b>12.2</b> | 3025        | 23.2        | 5064        | <b>16.9</b> | 4726        | 3223        | 10.9        |
| 3                | " " 1905 and 1909 ...          | 10.2        | <b>3949</b> | 23.6        | 4956        | 14.6        | <b>4973</b> | 2922        | 11.7        |
| 4                | " " 1906 and 1910 ...          | 9.7         | 3913        | <b>24.1</b> | 5419        | 16.0        | 5280        | <b>2682</b> | 12.8        |
| 5                | " " 1907 and 1911 ...          | 9.7         | 4221        | 23.6        | <b>5698</b> | 16.4        | 5641        | 3190        | <b>14.2</b> |
| G 1              | Bone Meal, 1904 and 1908 ...   | <b>12.9</b> | 3176        | 23.1        | 5203        | <b>16.7</b> | 4445        | 3345        | 9.9         |
| 2                | " " 1905 and 1909 ...          | 10.1        | <b>3636</b> | 22.1        | 5821        | 14.3        | <b>4922</b> | 3657        | 9.9         |
| 3                | Unmanured ... ..               | 10.2        | 3495        | 20.6        | 5491        | 12.7        | 4247        | 3701        | 9.2         |
| 4                | Bone Meal, 1906 and 1910 ...   | 9.9         | 3450        | <b>22.6</b> | 6043        | 14.2        | 4711        | <b>3263</b> | 10.5        |
| 5                | " " 1907 and 1911 ...          | 9.2         | 3525        | 22.1        | <b>6276</b> | 19.9        | 5285        | 3512        | <b>12.6</b> |
| H 1              | Basic Slag, 1904 and 1908 ...  | <b>11.8</b> | 4400        | 20.5        | 6285        | <b>13.8</b> | 4182        | 3564        | 11.5        |
| 2                | " " 1905 and 1909 ...          | 10.4        | <b>4002</b> | 21.3        | 5930        | 13.6        | <b>4530</b> | 3596        | 12.0        |
| 3                | " " 1906 and 1910 ...          | 9.4         | 3662        | <b>21.4</b> | 5860        | 13.6        | 4431        | <b>3943</b> | 12.5        |
| 4                | " " 1907 and 1911 ...          | 9.1         | 3624        | 17.0        | <b>5816</b> | 14.4        | 3860        | 3804        | <b>12.0</b> |
| 5                | Unmanured ... ..               | 8.6         | 3293        | 17.4        | 5933        | 11.4        | 4511        | 4005        | 10.5        |

The yields on the plots to which the manure was applied in any given year are printed in heavier type.