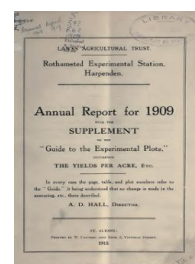


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## Annual Report for 1909 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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### Little Hoos Field 1904-09 Residual Value of Various Manures

#### Rothamsted Research

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## LITTLE HOOS FIELD, 1904-09.

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

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

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