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## Annual Report for 1912 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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# Little Hoos Field 1904-12 Residual Value of Various Manures

#### **Rothamsted Research**

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### LITTLE HOOS FIELD, 1904-1912.

#### RESIDUAL VALUE OF VARIOUS MANURES.

(See "Guide," 1906, 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.	Wheat 1910.	Man- golds 1911.	Wheat 1912.*
A 1 2 3 4 5	Unmanured  Dung (ordinary), 1904, '8 & '12  "	Tons.  10.3 13.1 8.8 8.8 9.8	1b. 2323 4649 <b>3501</b> 2269 2402	Tons. 17.1 18.2 17.5 18.2 14.9	1b. 3650 4673 5393 5471 <b>6903</b>	Tons. 14.0 19.1 14.5 15.5 17.3	1b. 3792 5128 <b>5544</b> 4057 4581	lb. 2270 2572 2681 2406 2358	Tons. 11.6 13.9 14.1 12.5 15.8	Bushels. 19'4 <b>34'3</b> 26'9 29'2 26'8
B 1 2 3 4 5	Dung (cake fed), 1904, '8 & '12 Unmanured Dung (cake fed), 1905 & 1909 ,, ,, 1906 & 1910 ,, 1907 & 1911	15.7 10.0 9.5 11.4 9.4	4177 2417 <b>5530</b> 2772 2649	19'4 16'2 18'5 <b>25'6</b> 14'4	4319 4025 5497 6489 <b>9407</b>	22·4 14·3 14·2 16·9 19·0	5362 3862 <b>6641</b> 4400 4298	2386 2261 2921 <b>3502</b> 2369	14·1 12·0 14·2 14·4 <b>17·1</b>	<b>35.6</b> 21.8 29.4 26.5 31.4
C 1 2 3 4 5 5	Shoddy, 1904, 1908 & 1912 ,, 1905 & 1909 Unmanured Shoddy, 1906 & 1910 ,, 1907 & 1911	14.7 11.1 10.6 10.7 10.3	3656 <b>4363</b> 2588 2512 2615	21.0 23.6 17.7 <b>24.2</b> 16.9	4667 4550 4334 6231 <b>7495</b>	19·7 16·3 15·1 19·1 22·2	3969 <b>4558</b> 3850 4466 5448	2295 2387 2561 <b>3461</b> 2560	11.4 11.6 11.7 14.0 14.7	28 4 26 1 24 2 30 4 29 8
D 1 2 3 4 5	Guano, 1904, 1908 & 1912 ,, 1905 & 1909 ,, 1906 & 1910 Unmanured Guano, 1907 & 1911	14.6 11.0 10.9 10.6 10.6	2550 <b>5176</b> 2857 2985 2680	20°1 19°7 <b>25°6</b> 18°7 17°4	4056 4165 4846 4618 <b>7375</b>	20 9 15 3 15 9 17 4 15 7	3608 <b>6834</b> 4053 4510 4014	1742 2114 <b>3392</b> 2739 2374	10.5 11.5 11.1 11.8 14.2	28·8 24·1 22·5 26·9 26·3
E 1 2 3 4 5 5	Rape Cake, 1904, 1908 & 1912 ,, 1905 & 1909 ,, 1906 & 1910 ,, 1907 & 1911 Unmanured	14·1 11·2 9·5 10·5 10·8	2674 4185 2645 2734 2769	17.8 17.9 <b>22.7</b> 19.4 19.5	3887 4326 4584 <b>6619</b> 4527	19·7 15·1 14·5 15·2 14·7	3750 <b>5203</b> 3866 4661 4155	2180 2242 <b>3486</b> 2516 2784	10.7 11.7 11.5 <b>14.5</b> 12.7	27.7 22.3 22.2 25.1 21.1
F 1 2 3 4 5 5	Unmanured Superphosphate, 1904, '8 & '12 ,, 1905 & 1909 ,, 1906 & 1910 ,, 1907 & 1911	11.7 12.2 10.2 9.7 9.7	3132 3025 <b>3949</b> 3913 4221	22.9 23.2 23.6 <b>24.1</b> 23.6	4749 5064 4956 5419 <b>5698</b>	14·1 16·9 14·6 16·0 16·4	4814 4726 <b>4973</b> 5280 5641	3166 3223 2922 <b>2682</b> 3190	8.7 10.9 11.7 12.8 14.2	31.6 33.4 31.9 34.9 35.4
G 1 2 3 4 5 5	Bone Meal, 1904, 1908 & 1912 ,, 1905 & 1909 Unmanured Bone Meal, 1906 & 1910 ,, 1907 & 1911	12.9 10.1 10.2 9.9 9.2	3176 <b>3636</b> 3495 3450 3525	23.1 22.1 20.6 <b>22.6</b> 22.1	5203 5821 5491 6043 <b>6276</b>	16·7 14·3 12·7 14·2 19·9	4445 <b>4922</b> 4247 4711 5285	3345 3657 3701 <b>3263</b> 3512	9.9 9.9 9.2 10.5 12.6	32·8 32·7 29·0 31·8 34·4
H 1 2 3 4 5	Basic Slag, 1904, 1908 & 1912 ,, 1905 & 1909 ,, 1906 & 1910 ,, 1907 & 1911 Unmanured	11.8 10.4 9.4 9.1 8.6	4400 <b>4002</b> 3662 3624 3293	20.5 21.3 <b>21.4</b> 17.0 17.4	6285 5930 5860 <b>5816</b> 5933	13.8 13.6 13.6 14.4 11.4	4182 <b>4530</b> 4431 3860 4511	3564 3596 <b>3943</b> 3804 4005	11.5 12.0 12.5 <b>12.0</b> 10.5	35·7 33·7 29·1 32·5 30·1

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

\* Dressed Grain only.

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