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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.

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Series and	Manuring.	Swedes	Barley		Spring Wheat	Swedes	Barley	Wheat	Man- golds	Wheat
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				-	80.00					0	1912.*
2 Dung (ordinary), 1904, '8 & '12 13'1 4649 18:2 4673 19'1 13'28 2572 13'9 34'3 3 1905 & 1909 8'8 2509 18 2 5471 13'5 5544 2681 14'1 26'9 5 1907 & 1911 9'8 2402 14'9 6903 17'3 4581 2358 15'5 4057 2406 12'5 29'2 29'2 29'2 29'2 29'2 2361 12'5 29'2 22'1 15'5 5402 14'1 3662 2361 14'1 3662 2361 14'1 456 6641 221'1 14'2 24'4 3662 2361 11'1 31'1 31'1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'1'	1.1	Unmonurod	1								Bushels.
$ \begin{array}{c} 4 & \vdots & \vdots & 1006 \& 1910 \\ 5 & \vdots & \vdots & 1007 \& 1911 \\ 9 & 78 & 2202 \\ 14 & 9 & 6903 \\ 14 & 73 & 4581 \\ 2358 & 158 & 268 \\ 158 & 268 \\ 268 \\ 14 & 157 & 4581 \\ 2358 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 158 & 268 \\ 14 & 275 & 256 & 6488 \\ 169 & 4400 & 5502 & 14 & 269 \\ 171 & 111 & 157 & 417 & 151 & 156 \\ 169 & 4400 & 5502 & 14 & 269 \\ 190 & 4298 & 2369 & 171 & 111 \\ 111 & 4565 & 236 & 4550 & 1663 & 4568 \\ 197 & 1906 & 5550 & 187 & 551 \\ 190 & 1900 & 5502 & 153 & 556 \\ 169 & 1900 & 556 & 117 & 272 \\ 1905 & 1900 & \dots & 111 & 4565 & 236 & 4550 & 1663 & 4558 \\ 197 & 4358 & 2368 & 116 & 2611 \\ 190 & 1900 & 1910 & \dots & 107 \\ 210 & 1905 & 1900 & \dots & 107 \\ 210 & 1905 & 1900 & \dots & 107 \\ 210 & 1905 & 1900 & \dots & 107 \\ 210 & 1905 & 1900 & \dots & 107 \\ 210 & 2512 & 242 & 242 & 2560 & 177 \\ 190 & 1905 & 1900 & \dots & 107 \\ 210 & 1905 & 1900 & \dots & 100 \\ 210 & 2557 & 256 & 4846 & 157 \\ 153 & 6858 & 2114 & 117 & 2215 \\ 111 & 2215 & 111 & 2215 \\ 111 & 2215 & 1111 & 105 & 2879 & 1157 & 1111 \\ 21005 & 1900 & \dots & 100 \\ 2200 & 177 & 7375 & 157 & 101 & 277 \\ 1112 & 1185 & 2679 & 117 & 2379 \\ 111 & 2374 & 142 & 263 \\ 1111 & 2374 & 142 & 263 \\ 1111 & 2374 & 142 & 263 \\ 1111 & 2374 & 142 & 263 \\ 1111 & 105 & 2774 & 127 & 211 \\ 117 & 2217 & 1117 & 2218 \\ 111 & 1075 & 2274 & 1277 & 2111 \\ 111 & 1075 & $	2	Dung (ordinary), 1904, '8 & '12	13.1	4649	18.2	4673	19 °1	5128	2572	13.9	34.3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1000 8 1010						-			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1007 8 1011									
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$											
$ \begin{array}{c} 4 & , & , & 1906 \& 1910 \dots \\ 5 & , & , & 1907 \& 1911 \dots \\ 7 & 1907 \& 1910 \dots \\ 7 & 111 & 7 & 3556 & 210 & 4667 & 197 & 7 & 7969 & 2295 & 1174 \\ 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7$											
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4	,, ,, 1906 & 1910	11'4	2772	25 6	6489	16.9	4400	3502	14.4	26 [.] 5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5	" " ,1907 & 1911…	9.4	2649	14.4	9407	19.0	4298	2369	17.1	31.4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$											
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4	Shoddy, 1906 & 1910	10.7	2512	24 2	6231	19.1	4466	3461	14.0	30.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3	,, 1907 & 1911	10.5	2615		1490		5448	2560	14 /	29.8
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1000 9 1010								-	
EIRape Cake, 1904, 1908 & 1912 , 1905 & 1909 , 1906 & 1910 , 1906 & 1910 , 1907 & 19111412674 4185 277 2645 277 4326 	4	Unmanured	10.6	2985	18.7	4618	17.4	4510	2739	11.8	26.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5	Guano, 1907 & 1911	10 [.] 6	2680	17.4	7375	15.7	4014	2374	14.2	26.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1006 8 1010									
F 1 2 3 3 4 4Unmanured 1905 & 1909 1905 & 1909 1905 & 1909 10:211.7 12:2 3025 3025 3025 3025 23:214'1 5064 16'9 14'64814 4814 4814 4973 16'9 16'9 14'6 14'6 4973 4973 2922 11'7 2922 11'7 11'7 31'9 31'9 31'9 31'9 31'9 31'9 31'9 31'9 31'9 31'10'2 3949 23'6 4956 14'6 4975 2800 16'9 16'9 16'0 5280 2682 2682 2682 2682 12'8 12'8 34'9 35'4G 1 2 3 2 4 3 1907 & 1911 3007 & 1911 9'712'9 3176 3636 23'1 3636 22'1 22'1 23'616'7 5203 16'7 4445 4445 3345 4922 3455 22'1 44'3 4922 3657 9'9 32'7 32'7 32'7 32'7 32'7 32'7 30'10'1 3636 4431 3943 31'6' 35'411'7 31'9 31'9 32'8 33'4' 31'9G 1 2 2 3 100'1 3 4 3 4 3 9'7 3 10'1 3636 4 3636 22'1 31'6' 22'1' 31'6' 22'1' 31'6' 22'1' 31'7' 31'7' 31'9' 32'2'2'1' 31'7' 31'9' 31'9' 32'2'2'1' 31'6' 33'4' 33'4' 31'9' 32'2'2'1' 31'6' 33'4' 33'4' 31'0'1' 32'2'2'2'1' 31'0'1' 32'2'1' 32'1'1''1''1''1''1''1''1'' 32'6''1''1''1''1''1''1''1''1''1'' 32'6''1''1''1''1''1''1''1'' 32'6''1''1''1''1''1''1''1''1''1''1''1''1''	4	,, 1907 & 1911		2734		6619		4661	2516		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Unmanured	10.8	2769	19.5	4527	14 /	4155	2/84		21.1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	,, 1905 & 1909	10.2	3949	23.6	4956	14.6	4973	2922	11.7.	31.9
G 1 Bone Meal, 1904, 1908 & 1912 12 \cdot 9 3176 23 \cdot 1 5203 16 \cdot 7 4445 3345 9 \cdot 9 32 \cdot 8 3 Unmanured 10 \cdot 1 3636 22 \cdot 1 5821 14 \cdot 3 4922 3657 9 \cdot 9 32 \cdot 7 3 Unmanured 10 \cdot 2 3495 20 \cdot 6 5491 12 \cdot 7 4247 3701 9 \cdot 2 29 \cdot 0 4 Bone Meal, 1906 & 1910 9 \cdot 9 3450 22 \cdot 6 6043 14 \cdot 2 4711 3263 10 \cdot 5 31 \cdot 8 5 1907 & 1911 9 \cdot 2 3525 22 \cdot 1 6276 19 \cdot 9 5285 3512 12 \cdot 6 34 \cdot 4 H 1 Basic Slag, 1904, 1908 & 1912 11 \cdot 8 4400 20 \cdot 5 6285 13 \cdot 8 4182 3564 11 \cdot 5 35 \cdot 7 2 1905 \otimes 1909 10 \cdot 4 4002 21 \cdot 3 5930 13 \cdot 6 4530 3596 12 \cdot 0 33 \cdot 7 <td></td> <td>1007 8 1011</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		1007 8 1011									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1005 8 1000									
5 ,, 1907 & 1911 9'2 3525 22'1 6276 19'9 5285 3512 12'6 34'4 H 1 Basic Slag, 1904, 1908 & 1912 11'8 4400 20'5 6285 13'8 4182 3564 11'5 35'7 2 ,, 1905 & 1909 10'4 4002 21'3 5930 13'6 4530 3596 12'0 33'7 3 ,, 1906 & 1910 9'4 3662 21'4 5860 13'6 4431 3943 12'5 29'1 4 ,, 1907 & 1911 9'1 3624 17'0 5816 14'4 3860 3804 12'0 32'5	3	Unmanured	10.2	3495	20.6	5491	12.7	4247	3701	9.2	29.0
2 ,, 1905 & 1909 10'4 4002 21'3 5930 13'6 4530 3596 12'0 33'7 3 ,, 1906 & 1910 9'4 3662 21'4 5860 13'6 4431 3943 12'5 29'1 4 ,, 1907 & 1911 9'1 3624 17'0 5816 14'4 3860 3804 12'0 32'5		1007 0 1011									
2 ,, 1905 & 1909 10'4 4002 21'3 5930 13'6 4530 3596 12'0 33'7 3 ,, 1906 & 1910 9'4 3662 21'4 5860 13'6 4431 3943 12'5 29'1 4 ,, 1907 & 1911 9'1 3624 17'0 5816 14'4 3860 3804 12'0 32'5	H 1	Basic Slag 1904 1008 & 1012	11.8	4400	20:5	6285	13.8	4182	3564	11:5	35.7
4 ,, 1907 & 1911 9.1 3624 17.0 5816 14.4 3860 3804 12.0 32.5	2	,, 1905 & 1909	10.4	4002	21.3	5930	13.6	4530	3596	12.0	33.7
		1007 8 1011									
o onindifferent in in in 00 3455 17 7 3555 11 7 1511 1005 10 5 50 1	5	Unmanured	8.6	3293	17.4	5933	11.4	4511	4005	10.2	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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