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Annual Report for 1910 With the Supplement to the Guide to the Experimental Plots Containing Yields per Acre, Etc.



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Rothamsted Research

Rothamsted Research (1911) Hay the Park Grass Plots 1910; Botanical Composition per Cent First Crop 1910; Annual Report For 1910 With The Supplement To The Guide To The Experimental Plots Containing Yields Per Acre, Etc., pp 11 - 11 - DOI: https://doi.org/10.23637/ERADOC-1-102

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HAY. THE PARK GRASS PLOTS, 1910.

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

St Crop. 2nd Crop. Total	Plot.	Manuring.	Yield of Hay per acre.		
3 Unmanured 5 9 0 2 4 11 17 11 9 2 5 14 17 17 18 19 19 19 19 19 19 19			1st Crop.	2nd Crop.	Total.
12 Unmanured (1)			Cwt.	Cwt.	Cwt.
12	3)	Unmanurad	∫ 9.0	2.4	11.4
1 Ammonium Salts alone (1) 19.9 4.7 24. 4-1 Superphosphate of Lime 13.4 2.6 16. 8 Mineral Manure without Potash 12.3 8.3 20. 7 Complete Mineral Manure 28.7 9.8 38. 6 As 7, 1869 and since (2) 25.4 11.2 36. 15 As 7, 1876 and since (3) 25.9 5.7 31. 5 Superphosphate and Potash, 1898 and since 25.9 5.7 31. 17 Nitrate of Soda alone 22.1 2.9 25. 4-2 Superphosphate and Amm. Salts 29.9 6.0 35. 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 28.2 16.2 44. 13 Dung and Fish Guano, once in 4 years 34.5 15.8 50. 11-2 As 11-1, and Silicate Soda 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. <td></td> <td>Offmanufed</td> <td>9.6</td> <td>7.5</td> <td>17.1</td>		Offmanufed	9.6	7.5	17.1
4-1 Superphosphate of Lime		Unmanured (1)	11.9	2.2	14.4
8 Mineral Manure without Potash 12.3 8.3 20. 7 Complete Mineral Manure 28.7 9.8 38. 6 As 7, 1869 and since (2) 25.4 11.2 36. 15 As 7, 1876 and since (3) 25.9 5.7 31. 5 Superphosphate and Potash, 1898 and since 18.8 6.0 24. 17 Nitrate of Soda alone 22.1 2.9 25. 4-2 Superphosphate and Amm. Salts 29.9 6.0 35. 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 44.2 14.8 59. 13 Dung and Fish Guano, once in 4 years 34.5 15.8 50. 11-1 Complete Mineral Manure and extra Amm. Salts 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit. 55.5 12.7 68.	1 -		19 [.] 9	4.7	24.6
7 Complete Mineral Manure 28.7 9.8 38. 6 As 7, 1869 and since (2) 25.4 11.2 36. 15 As 7, 1876 and since (3) 25.9 5.7 31. 5 Superphosphate and Potash, 1898 and since 18.8 6.0 24. 17 Nitrate of Soda alone 22.1 2.9 25. 4-2 Superphosphate and Amm. Salts 29.9 6.0 35. 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 34.5 15.8 59. 13 Dung and Fish Guano, once in 4 years 34.5 15.8 50. 11-1 Complete Mineral Manure and extra Amm. Salts 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit. 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 <td< td=""><td>1</td><td></td><td>13.4</td><td>2.6</td><td>16.0</td></td<>	1		13.4	2.6	16.0
6 As 7, 1869 and since (2) 25.4 11.2 36. 15 As 7, 1876 and since (3) 25.9 5.7 31.5 5 Superphosphate and Potash, 1898 and since 18.8 6.0 24. 17 Nitrate of Soda alone 22.1 2.9 25. 4-2 Superphosphate and Amm. Salts 29.9 6.0 35. 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 44.2 14.8 59. 13 Dung and Fish Guano, once in 4 years 11-1 Complete Mineral Manure and extra Amm. Salts 49.5 15.8 50. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68.			12.3	8.3	20.6
15 As 7, 1876 and since (3) 25.9 5.7 31. 5 Superphosphate and Potash, 1898 and since .				9.8	38.2
5 Superphosphate and Potash, 1898 and since		As 7, 1869 and since (2)			36.6
and since 18.8 6.0 24. 17 Nitrate of Soda alone 22.1 2.9 25. 4-2 Superphosphate and Amm. Salts 29.9 6.0 35. 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 44.2 14.8 59. 13 Dung and Fish Guano, once in 4 years 11-1 Complete Mineral Manure and extra Amm. Salts 49.5 15.8 50. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68.		As 7, 1876 and since (3)	25.9	5.7	31.6
17 Nitrate of Soda alone 22.1 2.9 25. 4-2 Superphosphate and Amm. Salts 29.9 6.0 35. 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 44.2 14.8 59. 13 Dung and Fish Guano, once in 4 years 34.5 15.8 50. 11-1 Complete Mineral Manure and extra Amm. Salts 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit. 55.5 12.7 68.	5	Superphosphate and Potash, 1898			
4-2 Superphosphate and Amm. Salts 29.9 6.0 35.1 10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 44.2 14.8 59. 13 Dung and Fish Guano, once in 4 years 1.1-1 34.5 15.8 50. 11-1 Complete Mineral Manure and extra Amm. Salts 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit. 55.5 12.7 68.					24.8
10 Mineral Manure (without Potash) and Amm. Salts 28.2 16.2 44. 9 Complete Mineral Manure and Amm. Salts 44.2 14.8 59. 13 Dung and Fish Guano, once in 4 years 11-1 34.5 15.8 50. 11-1 Complete Mineral Manure and extra Amm. Salts	1				25.0
and Amm. Salts 28·2 16·2 44· 9 Complete Mineral Manure and Amm. Salts 44·2 14·8 59· 13 Dung and Fish Guano, once in 4 years 34·5 15·8 50· 11-1 Complete Mineral Manure and extra Amm. Salts 49·5 19·9 69· 11-2 As 11-1, and Silicate Soda 55·5 12·7 68· 16 Complete Mineral Manure and Nit.			29.9	6.0	35.9
9 Complete Mineral Manure and Amm. Salts	10				
Salts			28.2	16.2	44.4
13 Dung and Fish Guano, once in 4 years 34.5 15.8 50. 11-1 Complete Mineral Manure and extra Amm. Salts	9				
11-1 Complete Mineral Manure and extra Amm. Salts 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit.					59.0
Amm. Salts 49.5 19.9 69. 11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit.			34.2	15.8	50.3
11-2 As 11-1, and Silicate Soda 55.5 12.7 68. 16 Complete Mineral Manure and Nit.	11-1				
16 Complete Mineral Manure and Nit.					69.4
			55.5	12.7	68.3
Soda = 43 lb. N 29.0 6.0 35.	16				
			29.0	6.0	35.0
14 Complete Mineral Manure and Nit.	14	Complete Mineral Manure and Nit. Soda=86 lb. N	43.4	4.2	47.6

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 years, 1856—63. (3) Nitrate of Soda alone previously.

(2) Ammonium Salts alone, previous to 1869.

BOTANICAL COMPOSITION, PER CENT.

First Crop, 1910.

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

Plot.	Manuring.		Gramineæ.	Leguminosæ.	Other Orders.
			Per cent.	Per cent.	Per cent.
3	Unmanured	•••	67.5	2.6	29.9
4-1	Superphosphate of Lime		67.7	2.6	29.7
8	Mineral Manure without Por	tash	50°5	3.2	46.0
7	Complete Mineral Manure	•••	70.8	10.3	18.9
6	As 7, 1869 and since (2)	•••	59.3	22.1	18.6
15	As 7, 1876 and since (3)	•••	58.5	19 [.] 5	22.0

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