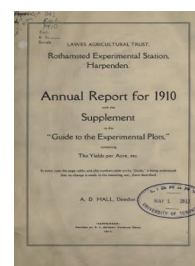


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Annual Report for 1910 With the Supplement to the Guide to the Experimental Plots Containing Yields per Acre, Etc.



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Hay the Park Grass Plots 1910 ; Botanical Composition per Cent First Crop 1910

Rothamsted Research

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HAY. THE PARK GRASS PLOTS, 1910.

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

Plot.	Manuring.	Yield of Hay per acre.		
		1st Crop.	2nd Crop.	Total.
		Cwt.	Cwt.	Cwt.
3 } 12 }	Unmanured	9.0	2.4	11.4
2 }	Unmanured (1)	9.6	7.5	17.1
1 }	Ammonium Salts alone (1)	11.9	2.5	14.4
4-1 }	Superphosphate of Lime	19.9	4.7	24.6
8 }	Superphosphate of Lime	13.4	2.6	16.0
7 }	Mineral Manure without Potash	12.3	8.3	20.6
6 }	Complete Mineral Manure	28.7	9.8	38.5
15 }	As 7, 1869 and since (2)	25.4	11.2	36.6
5 }	As 7, 1876 and since (3)	25.9	5.7	31.6
	Superphosphate and Potash, 1898 and since	18.8	6.0	24.8
17 }	Nitrate of Soda alone	22.1	2.9	25.0
4-2 }	Superphosphate and Amm. Salts	29.9	6.0	35.9
10 }	Mineral Manure (without Potash) and Amm. Salts	28.2	16.2	44.4
9 }	Complete Mineral Manure and Amm. Salts	44.2	14.8	59.0
13 }	Dung and Fish Guano, once in 4 years	34.5	15.8	50.3
11-1 }	Complete Mineral Manure and extra Amm. Salts	49.5	19.9	69.4
11-2 }	As 11-1, and Silicate Soda	55.5	12.7	68.2
16 }	Complete Mineral Manure and Nit. Soda=43 lb. N.	29.0	6.0	35.0
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 Potash	50.5	3.5	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