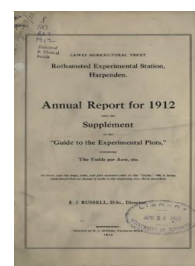


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Annual Report for 1912 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Hay the Park Grass Plots 1912 ; Botanical Composition per Cent First Crop 1912

Rothamsted Research

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HAY. THE PARK GRASS PLOTS, 1912.

(See "Guide," 1906, page 19, Table XI.)

Plot.	Manuring.	Yield of Hay per acre.		
		1st Crop.	2nd Crop.	Total.
		Cwt.	Cwt.	Cwt.
3)	Unmanured	7.7	2.5	10.2
12)		11.7	8.5	20.2
2	Unmanured (1)	11.5	4.0	15.5
1	Ammonium Salts alone (1)	13.5	10.1	23.6
4-1	Superphosphate of Lime	12.7	4.5	17.2
8	Mineral Manure without Potash	13.5	9.0	22.5
7	Complete Mineral Manure	27.9	18.5	46.4
6	As 7, 1869 and since (2)	23.3	14.5	37.8
15	As 7, 1876 and since (3)	24.5	12.5	37.0
5	Superphosphate and Potash, 1898 and since	9.0	6.7	15.7
17	Nitrate of Soda alone	23.2	8.0	31.2
4-2	Superphosphate and Amm. Salts	17.2	7.9	25.1
10	Mineral Manure (without Potash) and Amm. Salts	21.0	11.4	32.4
9	Complete Mineral Manure and Amm. Salts	28.2	7.8	36.0
13	Dung and Fish Guano, once in 4 years	28.5	13.8	42.3
11-1	Complete Mineral Manure and extra Amm. Salts	44.5	22.7	67.2
11-2	As 11-1, and Silicate Soda	47.7	24.9	72.6
16	Complete Mineral Manure and Nit. Soda = 43 lb. N.	29.2	11.5	40.7
14	Complete Mineral Manure and Nit. Soda = 86 lb. N.	38.4	14.5	52.9

Quick Line (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, 1912.

(See "Guide," 1906, page 20, Table XII.)

Plot.	Manuring.	Gramineæ.	Leguminosæ.	Other Orders.
		Per cent.	Per cent.	Per cent.
3	Unmanured	40.5	5.0	54.5
4-1	Superphosphate of Lime	32.5	13.6	53.9
8	Mineral Manure without Potash	30.2	5.0	64.8
7	Complete Mineral Manure	46.3	18.7	35.0
6	As 7, 1869 and since (2)	46.0	20.5	33.5
15	As 7, 1876 and since (3)	38.7	24.8	36.5