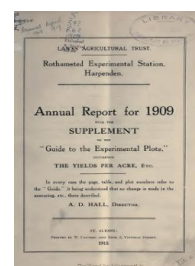


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Annual Report for 1909 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Hay the Park Grass Plots 1909 ; Botanical Composition per Cent First Crop 1909

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HAY. THE PARK GRASS PLOTS, 1909.

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

Plot.	Manuring.	Yield of Hay per Acre.		
		1st Crop.	2nd Crop.	Total.
		Cwt.	Cwt.	Cwt.
3 } 12 }	Unmanured	8·7	1·3	10·0
2	Unmanured (1)	11·9	3·8	15·7
1	Ammonium Salts alone (1)	9·8	2·0	11·8
4-1	Superphosphate of Lime	11·2	7·5	18·7
8	Mineral Manure without Potash	10·9	3·1	14·0
7	Complete Mineral Manure	14·7	5·6	20·3
6	As 7, 1869 and since (2)	29·6	14·2	43·8
15	As 7, 1876 and since (3)	24·3	10·7	35·0
5	Superphosphate and Potash, 1898 and since	24·1	10·0	34·1
17	Nitrate of Soda alone... ..	12·2	5·2	17·4
4-2	Superphosphate and Amm.-salts	23·8	1·9	25·7
10	Mineral Manure (without Potash) and Amm.-salts	20·4	7·5	27·9
9	Complete Mineral Manure and Amm.- salts	24·1	9·5	33·6
13	Dung and Fish Guano, once in 4 years Complete Mineral Manure and extra Amm.-salts	37·0	9·6	46·6
11-1	Complete Mineral Manure and extra Amm.-salts	23·8	13·7	37·5
11-2	As 11-1, and Silicate Soda	49·1	18·3	67·4
16	Complete Mineral Manure and Nit. Soda=43 lb. N.	53·7	16·1	69·8
14	Do. do. do. and Nit. Soda=86 lb. N.	31·1	8·3	39·4
		48·5	9·0	57·5

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 yrs., 1856-63. (3) Nitrate of Soda alone previously.
(2) Ammonium salts alone, previous to 1869.

BOTANICAL COMPOSITION, PER CENT.

First Crop, 1909.

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

Plot.	Manuring.	Gramineæ.	Leguminosæ.	Other Orders.
		Per cent.	Per cent.	Per cent.
3	Unmanured	65·0	6·2	28·8
4-1	Superphosphate of Lime	55·9	6·2	37·9
8	Mineral Manure without Potash	45·1	13·4	41·5
7	Complete Mineral Manure	52·2	29·6	18·2
6	As 7, 1869 and since (2)	53·9	26·4	19·7
15	As 7, 1876 and since (3)	54·5	22·3	23·2