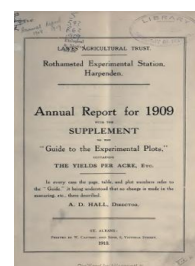


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## Annual Report for 1909 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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

#### Rothamsted Research

Rothamsted Research (1910) *Hay the Park Grass Plots 1909 ; Botanical Composition per Cent First Crop 1909 ; Annual Report For 1909 With The Supplement To The Guide To The Experimental Plots Containing The Yields Per Acre, Etc.*, pp 12 - 12 - DOI: <https://doi.org/10.23637/ERADOC-1-101>

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