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Annual Report for 1913 With the Supplements to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Hay the Park Grass Plots 1913 ; Botanical Composition per Cent First Crop 1913

Rothamsted Research

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HAY. THE PARK GRASS PLOTS, 1913.

(See "Guide," 1913, page 21, Table XI.)

Plot.	Manuring.	Yield of Hay per acre.			
		1913.			Average 57 years 1856-1912 (1st & 2nd crops).
		1st Crop.	2nd Crop.	Total.	
		cwt.	cwt.	cwt.	cwt.
3)	Unmanured	12·4	0·6	13·0	20·9
12)		14·9	0·7	15·6	23·9
2	Unmanured; Dung 8 years, 1856-63	15·3	0·5	15·8	28·6
5-1	(N. half) Unmanured; following Amm. Salts alone, 42 yrs. 1856-97	20·2	0·8	21·0	14·4 (1)
1	Amm. Salts alone; with Dung 8 yrs. 1856-63	26·4	2·4	28·8	35·9
17	Nitrate of Soda alone	26·6	1·9	28·5	33·7
4-1	Superphosphate of Lime	21·1	0·6	21·7	21·6
8	Mineral Manure without Potash ...	20·3	1·0	21·3	28·0
7	Complete Mineral Manure	40·6	2·6	43·2	40·9
5-2	(S. Half) Complete Mineral Manure; following Amm. Salts alone for 42 yrs. 1856-97	35·2	1·7	36·9	23·2 (1)
6	Complete Mineral Manure as plot 7; following Amm. Salts alone 13 yrs. 1856-68	36·6	3·8	40·4	37·2
15	Complete Mineral Manure as plot 7; following Nitrate of Soda alone 18 yrs. 1858-75	34·8	3·7	38·5	36·8
4-2	Superphosphate and Amm. Salts ...	45·4	2·3	47·7	33·5
10	Mineral Manure (without Potash) and Amm. Salts	44·2	2·0	46·2	47·7
9.	Complete Mineral Manure and Amm. Salts	56·0	2·1	58·1	54·3
11-1	Complete Mineral Manure and extra Amm. Salts	64·3	7·2	71·5	66·5
11-2	As plot 11-1, and Silicate of Soda ...	66·7	9·3	76·0	73·3
16	Complete Mineral Manure and Nit. Soda=43 lb. N.	42·9	3·9	46·8	46·3
14	Complete Mineral Manure and Nit. Soda=86 lb. N.	51·9	3·8	55·7	56·9
13	Dung and Fish Guano, once in 4 years	45·4	5·1	50·5	—

(1) 15 years, 1898—1912.

BOTANICAL COMPOSITION, PER CENT.

First Crop, 1913.

(See "Guide," 1913, page 22, Table XII.)

Plot.	Manuring.	Gramineæ.	Leguminosæ.	Other Orders.
		Per cent.	Per cent.	Per cent.
3	Unmanured	59·0	8·7	32·3
4-1	Superphosphate of Lime	56·9	10·7	32·4
8	Mineral Manure without Potash	30·4	15·8	53·8
7	Complete Mineral Manure	69·5	15·3	15·2
6	As 7, 1869 and since	54·4	26·8	18·8
15	As 7, 1876 and since	63·7	17·2	19·1