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Annual Report for 1914 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 1914 ; Botanical Composition per Cent First Crop 1914

Rothamsted Research

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Hay. The Park Grass Plots, 1914.

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

Plot.	Manuring.	Yield of Hay per acre.			
		1914.			Average 57 years 1856-1912 (1st & 2nd crops).
		1st Crop.	2nd Crop.	Total.	
		cwt.		cwt.	cwt.
3 } 12 }	Unmanured	8·5		8·5	20·9
2	Unmanured ; Dung 8 years, 1856-63	12·6		12·6	23·9
5-1	(N. half) Unmanured ; following Amm. Salts alone, 42 yrs., 1856-97	9·9		9·9	28·6
1	Amm. Salts alone ; with Dung 8 yrs., 1856-63	6·6		6·6	14·4 (1)
17	Nitrate of Soda alone	11·9		11·9	35·9
4-1	Superphosphate of Lime	23·3		23·3	33·7
8	Mineral Manure without Potash ...	9·9		9·9	21·6
7	Complete Mineral Manure	12·6		12·6	28·0
5-2	(S. Half) Complete Mineral Manure ; following Amm. Salts alone for 42 yrs., 1856-97	22·8		22·8	40·9
6	Complete Mineral Manure as plot 7 ; following Amm. Salts alone 13 yrs., 1856-68	14·7	No 2nd Crop in 1914.	14·7	23·2 (1)
15	Complete Mineral Manure as plot 7 ; following Nitrate of Soda alone 18 yrs., 1858-75	25·0		25·0	37·2
4-2	Superphosphate and Amm. Salts ...	26·9		26·9	36·8
10	Mineral Manure (without Potash) and Amm. Salts	18·5		18·5	33·5
9	Complete Mineral Manure and Amm. Salts	21·7		21·7	47·7
11-1	Complete Mineral Manure and extra Amm. Salts	33·6		33·6	54·3
11-2	As plot 11-1 and Silicate of Soda ...	53·1		53·1	66·5
16	Complete Mineral Manure and Nit. Soda=43 lb. N.	53·6		53·6	73·3
14	Complete Mineral Manure and Nit. Soda=86 lb. N.	37·5		37·5	46·3
13	Dung and Fish Guano, once in 4 years	47·8		47·8	56·9
		32·6	32·6	—	

(1) 15 years, 1898—1912.

Botanical Composition, Per Cent.

First Crop, 1914.

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

Plot.	Manuring.	Gramineæ.	Leguminosæ.	Other Orders.
		Per cent.	Per cent.	Per cent.
3	Unmanured	64·3	8·6	27·1
4-2	Superphosphate and Amm. Salts	99·2	—	0·8
8	Mineral Manure without Potash	69·6	9·6	20·8
7	Complete Mineral Manure	72·6	19·8	7·6
10	As 8 + Amm. Salts	99·7	—	0·3
9	As 7 + Amm. Salts	99·0	—	1·0
15	As 7, 1876 and since	59·5	33·1	7·4

These results were obtained on the limed portions of the plots except 15.