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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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Rothamsted Research

Rothamsted Research (1915) *Hay. The Park Grass Plots 1914; Botanical Composition per Cent First Crop 1914;* Annual Report For 1914 With The Supplements To The Guide To The Experimental Plots Containing The Yields Per Acre, Etc., pp 35 - 35 - **DOI:** https://doi.org/10.23637/ERADOC-1-107

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Hay. The Park Grass Plots, 1914. (See "Guide," 1913, page 21, Table XI.)

Plot. Manuring. 1914. Average 57 years 1st Crop. 2nd Crop. Total. Cwt. 2			Yield of Hay per acre.				
St Crop. 2nd Crop. Total. (1st & 2nd crops).	Plot.	Manuring.	1914.			57 years	
3 12 12 12 12 12 12 12			1st Crop.	2nd Crop.	Total.	(1st & 2nd	
1 Amm. Salts alone; with Dung 8 yrs., 1856-63	2	Unmanured; Dung 8 years, 1856-63 (N. half) Unmanured; following	8.5 12.6 9.9		8·5 12·6 9·9	20 [.] 9 23 [.] 9 28 [.] 6	
1856-63	1		6.6		6.6	14.4 (1)	
8 Mineral Manure without Potash 7 12.6 28.0 7 Complete Mineral Manure (S. Half) Complete Mineral Manure; following Amm. Salts alone for 42 yrs., 1856-97 14.7 14.7 12.6 22.8 40.9 6 Complete Mineral Manure as plot 7; following Amm. Salts alone 13 yrs., 1856-68		1856-63					
42 yrs., 1856-97	8 7	Mineral Manure without Potash Complete Mineral Manure (S. Half) Complete Mineral Manure;	12.6	1914.	12.6	28.0	
15 Complete Mineral Manure as plot 7; following Nitrate of Soda alone 18 yrs., 1858-75	6	42 yrs., 1856-97 Complete Mineral Manure as plot 7;		op in	14.7	23.2 (1)	
yrs., 1858-75	15	1856-68 Complete Mineral Manure as plot 7;			25.0	37.2	
10 Mineral Manure (without Potash) and Amm. Salts			26.9		26.9	36.8	
and Amm. Salts 21'7 9 Complete Mineral Manure and Amm. Salts 33'6 11-1 Complete Mineral Manure and extra Amm. Salts 53'1 11-2 As plot 11-1 and Silicate of Soda 53'6 16 Complete Mineral Manure and Nit. Soda = 43 lb. N 37'5 17 Complete Mineral Manure and Nit. Soda = 86 lb. N 47'8 47'8 47'7 21'7 47'7 21'7 47'8 47'8 47'8 47'8			18.5	Z	18.2	33.2	
Salts		and Amm. Salts	21.7		21.7	47.7	
Amm. Salts 53.1 53.1 66.5 11-2 As plot 11-1 and Silicate of Soda 53.6 53.6 73.3 16 Complete Mineral Manure and Nit. Soda = 43 lb. N 37.5 37.5 46.3 14 Complete Mineral Manure and Nit. Soda = 86 lb. N 47.8 47.8 56.9		Salts	33.6		33.6	54.3	
16 Complete Mineral Manure and Nit. Soda=43 lb. N 37.5 14 Complete Mineral Manure and Nit. Soda=86 lb. N 47.8 47.8 47.8 47.8		Amm. Salts	1				
Soda = 43 lb. N 37.5 37.5 46.3 Complete Mineral Manure and Nit. Soda = 86 lb. N 47.8 47.8 56.9		•	53.6		53.6	73.3	
Soda = 86 lb. N 47.8 47.8 56.9		Soda = 43 lb. N	37.5		37.5	46.3	
13 Dung and Fish Guano, once in 4 years 32.6 —	14		47.8		47.8	56'9	
	13	Dung and Fish Guano, once in 4 years	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.

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