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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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Permanent Barley Plots Hoos Field 1914 ; Barley Hoos Field 1914

Rothamsted Research

Rothamsted Research (1915) *Permanent Barley Plots Hoos Field 1914 ; Barley Hoos Field 1914 ; Annual Report For 1914 With The Supplements To The Guide To The Experimental Plots Containing The Yields Per Acre, Etc.*, pp 37 - 37 - DOI: <https://doi.org/10.23637/ERADOC-1-107>

Permanent Barley Plots. Hoos Field, 1914.

(See "Guide," 1913, page 37, Table XVIII.)

Plot	Manuring.	1914.			Average 60 years, 1852—1911.	
		Dressed Grain.	Weight per Bushel.	Straw.	Dressed Grain.	Straw.
		Bushels.	lb.	cwt.	Bushels.	cwt.
1 O	Unmanured	10·4	53·1	5·5	12·7	8·4
2 O	Superphosphate only	13·1	53·8	6·4	19·7	10·0
3 O	Alkali Salts only	10·4	54·4	7·5	15·2	8·8
4 O	Complete Minerals	15·6	54·3	9·2	19·7	11·1
1 A	Ammonium Salts only	22·6	53·6	11·9	25·5	14·7
2 A	Superphosphate and Amm. Salts	28·4	53·4	14·6	38·2	22·0
3 A	Alkali Salts " " "	27·4	53·6	16·0	28·0	16·9
4 A	Complete Minerals " " "	32·9	54·9	19·3	41·5	25·0
1 AA	Nitrate of Soda only	22·5	52·2	14·6	29·3	17·8
2 AA	Superphosphate and Nitrate Soda	33·4	52·8	18·9	43·1	26·3
3 AA	Alkali Salts " " "	23·7	52·5	15·7	30·0	19·3
4 AA	Complete Minerals " " "	33·4	53·1	19·9	42·7	27·3
1 AAS	As Plot 1 AA and Silicate of Soda	24·1	52·9	15·7	32·8 (1)	19·7 (1)
2 AAS	" " 2 AA " " "	32·0	52·8	19·6	42·3 (1)	26·0 (1)
3 AAS	" " 3 AA " " "	25·9	52·3	17·6	35·2 (1)	21·7 (1)
4 AAS	" " 4 AA " " "	31·7	53·3	20·4	43·6 (1)	27·7 (1)
1 C	Rape Cake only	30·1	53·6	16·0	38·3	22·1
2 C	Superphosphate and Rape Cake	33·8	53·9	17·6	40·5	23·6
3 C	Alkali Salts " " "	24·2	52·8	15·1	36·9	22·3
4 C	Complete Minerals " " "	30·0	53·4	15·8	40·5	24·5
7—1	Unmanured (after dung 20 years, 1852—71)	19·8	54·0	11·1	24·8 (2)	14·8 (2)
7—2	Farmyard Manure	40·4	55·1	23·0	47·1	29·6

(1) 48 years, 1864—1911. (2) 40 years, 1872—1911.

NOTE.—The whole of the above plots were followed in 1912.

Barley. Hoos Field, 1914.

(See "Guide," 1913, page 43, Table XX.)

Plot.	Manures applied to the Potatoes, 1876-1901. Unmanured since.	Dressed Grain.		Straw per Acre.	Total Produce per Acre.
		Yield per Acre.	Weight per Bushel.		
Previous Cropping: Potatoes, 1876-1901; Barley, 1902 and 1903; Oats, 1904; Barley, 1905-1911; Oats, 1912; Barley, 1913.					
		Bushels.	lb.	cwt.	lb.
1	Unmanured	8·8	52·4	4·8	1071
2	Unmanured 1882 to 1901, previously Dung only	13·4	53·4	8·9	1824
3	Dung 1883 to 1901	19·0	53·3	12·0	2504
4	Dung 1883 to 1901	20·3	53·0	14·0	2791
Previous Cropping: Potatoes, 1876-1901; Barley, 1902-1903; Oats, 1904; Plots 5, 7, 9, Cow Peas (failed), 1905; Plots 6, 8, 10, Red Clover, 1905; 1906-1911, all Plots Red Clover; Oats, 1912; Barley, 1913.					
5	Ammonium Salts	13·9	52·6	9·0	1863
6	Nitrate of Soda	15·5	52·3	10·0	2070
7	{ Ammonium Salts and Mixed Minerals }	21·6	52·5	14·0	2864
8	{ Nitrate of Soda and Mixed Minerals }	24·0	53·2	15·3	3125
9	Superphosphate	18·6	52·5	11·0	2317
10	Mixed Minerals	20·6	52·7	12·6	2637

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