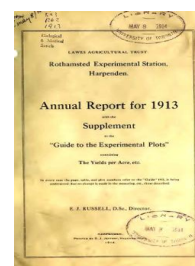


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## Annual Report for 1913 With the Supplements to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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### Permanent Barley Plots Hoos Field 1913 ; Barley Hoos Field 1913

#### Rothamsted Research

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PERMANENT BARLEY PLOTS. HOOS FIELD, 1913.

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

Plot	Manuring.	1913.			Average 60 years, 1852—1911.	
		Dressed Grain.	Weight per Bushel.	Straw.	Dressed Grain.	Straw.
		Bushels.	lb.	cwt.	Bushels.	cwt.
1 O	Unmanured ... ..	21.1	55.5	9.8	12.7	8.4
2 O	Superphosphate only ... ..	34.1	56.9	13.6	19.7	10.0
3 O	Alkali Salts only ... ..	25.4	56.3	12.3	15.2	8.8
4 O	Complete Minerals ... ..	40.3	57.5	19.8	19.7	11.1
1 A	Ammonium Salts only ... ..	40.8	55.9	18.8	25.5	14.7
2 A	Superphosphate and Amm. Salts ... ..	64.1	57.1	27.9	38.2	22.0
3 A	Alkali Salts " " " " ... ..	37.0	56.4	17.7	28.0	16.9
4 A	Complete Minerals " " " " ... ..	63.6	57.3	30.2	41.5	25.0
1 AA	Nitrate of Soda only ... ..	40.4	56.9	21.0	29.3	17.8
2 AA	Superphosphate and Nitrate Soda ... ..	60.7	58.0	30.7	43.1	26.3
3 AA	Alkali Salts " " " " ... ..	40.3	57.3	20.9	30.0	19.3
4 AA	Complete Minerals " " " " ... ..	60.8	58.1	31.2	42.7	27.3
1 AAS	As Plot 1 AA and Silicate of Soda	50.7	57.8	26.0	32.8 (1)	19.7 (1)
2 AAS	" " 2 AA " " " " ... ..	60.1	57.6	31.5	42.3 (1)	26.0 (1)
3 AAS	" " 3 AA " " " " ... ..	50.1	57.7	25.8	35.2 (1)	21.7 (1)
4 AAS	" " 4 AA " " " " ... ..	59.5	58.0	31.6	43.6 (1)	27.7 (1)
1 C	Rape Cake only ... ..	50.3	57.9	23.9	38.3	22.1
2 C	Superphosphate and Rape Cake ... ..	55.6	57.0	27.7	40.5	23.6
3 C	Alkali Salts " " " " ... ..	52.9	58.2	25.8	36.9	22.3
4 C	Complete Minerals " " " " ... ..	54.9	58.3	26.9	40.5	24.5
7—1	Unmanured (after dung 20 years, 1852—71) ... ..	42.9	57.1	17.9	24.8 (2)	14.8 (2)
7—2	Farmyard Manure ... ..	61.7	57.8	31.9	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, 1913.

(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.					
1	Unmanured ... ..	Bushels. 18.4	lb. 56.6	cwt. 9.2	lb. 2093
2	Unmanured 1882 to 1901, previously Dung only ... ..	25.6	57.2	12.2	2854
3	Dung 1883 to 1901 ... ..	34.2	57.3	17.3	3930
4	Dung 1883 to 1901 ... ..	33.7	57.1	17.3	3896
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.					
5	Ammonium Salts ... ..	29.0	56.6	13.8	3205
6	Nitrate of Soda ... ..	30.6	56.3	13.9	3302
7	(Ammonium Salts and Mixed Minerals ... ..)	44.2	57.0	20.9	4889
8	(Nitrate of Soda and Mixed Minerals ... ..)	43.4	57.2	20.1	4761
9	Superphosphate ... ..	33.9	56.8	15.8	3725
10	Mixed Minerals ... ..	35.9	57.2	16.6	3935