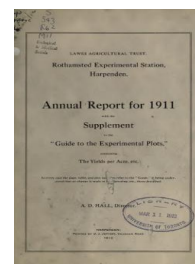


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Annual Report for 1911 With the Supplements to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Wheat Broadbalk Field 1911 ; Barley Hoos Field 1911

Rothamsted Research

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WHEAT. BROADBALK FIELD, 1911.

(See "Guide," page 26, Table XIV.)

Plot.	Manuring.	Dressed Grain.		Straw.
		Yield.	Weight per Bushel.	
		Bushels.	lbs.	Cwt.
2	Farmyard Manure	35.2	66.7	36.9
3	Unmanured	12.5	64.4	9.8
5	Complete Mineral Manure	14.8	65.1	12.8
6	As 5, and single Amm. Salts	17.2	65.3	17.9
7	As 5, and double Amm. Salts	25.6	66.0	27.6
8	As 5, and treble Amm. Salts	36.4	66.6	35.7
9	As 5, and single Nitrate Soda	29.9	65.6	29.0
10	Double Amm. Salts alone	22.8	65.1	17.2
11	As 10, and Superphosphate	20.1	63.2	15.2
12	As 10, and Super and Sulph. Soda	27.0	64.8	20.6
13	As 10, and Super and Sulph. Potash	29.7	66.0	27.4
14	As 10, and Super and Sulph. Mag.	24.1	64.4	18.9
15	Double Amm. Salts in Autumn, and Minerals	24.1	65.8	22.3
16	Double Nitrate and Minerals	40.4	66.8	42.4
17	Minerals alone, or double Amm. Salts	* 13.8	* 64.9	* 11.7
18	alone, in alternate years	† 27.3	† 66.1	† 24.6
19	Rape Cake alone	28.6	65.8	24.7
20 (1)	As 7, but excluding Superphosphate	21.6	65.7	18.0

* Produce by Minerals. † Produce by Ammonium Salts.
(1) Commenced in 1906.

BARLEY. HOOS FIELD, 1911.

(See "Guide," page 33, Table XVI.)

Plot.	Manuring.	Dressed Grain.		Straw.
		Yield.	Weight per Bushel.	
		Bushels.	lbs.	Cwt.
1 O	Unmanured	4.9	54.4	5.5
2 O	Superphosphate only	11.9	55.8	9.1
3 O	Alkali Salts only	4.3	54.9	5.3
4 O	Complete Minerals	5.9	56.1	7.8
1 A	Amm. Salts only	13.8	52.9	12.5
2 A	Superphos. and Amm. Salts	10.3	53.5	11.6
3 A	Alkali Salts and Amm. Salts	11.8	55.6	14.1
4 A	Complete Minerals and Amm. Salts	28.5	56.3	22.9
1 N	Nitrate of Soda alone	16.2	53.8	17.8
2 N	Superphos. and Nitrate Soda	26.1	55.4	24.7
3 N	Alkali Salts and Nitrate Soda	12.5	54.3	14.5
4 N	Complete Minerals and Nitrate Soda	28.9	55.8	23.7
1 C	Rape Cake alone	27.4	56.8	20.7
2 C	Superphos. and Rape Cake	28.2	57.1	20.8
3 C	Alkali Salts and Rape Cake	21.6	56.0	18.6
4 C	Complete Minerals and Rape Cake	25.7	56.6	20.1
7-1	Unmanured (after Dung, 1852-71)	9.5	56.4	10.5
7-2	Farmyard Dung	23.0	56.2	24.0