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Annual Report for 1909 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Wheat Broadbalk Field 1909 ; Barley Hoos Field 1909

Rothamsted Research

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WHEAT. BROADBALK FIELD, 1909.

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

Plot.	Manuring.	Dressed Grain.		Straw.
		Yield.	Weight per Bushel.	
		Bushels.	lbs.	Cwt.
2	Farmyard Manure	31.6	60.9	49.0
3	Unmanured	9.1	60.8	9.2
5	Complete Mineral Manure	10.4	60.5	12.2
6	As 5, and single Amm.-salts	17.4	59.2	22.2
7	As 5, and double do.	28.9	58.8	35.8
8	As 5, and treble do.	32.3	59.5	47.0
9	As 5, and single Nitrate Soda	24.3	59.9	29.9
10	Double Amm.-salts alone	10.5	57.6	17.4
11	As 10, and Superphosphate... ..	6.2	55.4	16.5
12	„ and Super and Sulph. Soda... ..	19.6	55.9	29.1
13	„ and Super and Sulph. Potash	27.8	60.5	39.7
14	„ and Super and Sulph. Mag.	16.1	55.8	26.4
15	Double Amm.-salts in Autumn and Minerals	25.8	60.9	38.6
16	Double Nitrate and Minerals	26.9	59.4	42.8
17	{ Minerals alone, or Double Amm.-}	*9.1	*60.5	*11.4
18	{ salts alone, in alternate years }	†29.9	†60.5	†35.5
19	Rape Cake alone	20.0	59.8	29.6

* Produce by Minerals. † Produce by Ammonium-salts.

BARLEY. HOOS FIELD, 1909.

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

Plot.	Manuring.	Dressed Grain.		Straw.
		Yield.	Weight per Bushel.	
		Bushels.	lbs.	Cwt.
1 O	Unmanured	13.0	53.6	7.4
2 O	Superphosphate only	25.4	54.5	13.2
3 O	Alkali salts only	15.9	52.7	12.4
4 O	Complete Minerals	22.0	53.2	16.6
1 A	Amm.-salts only	21.3	53.2	15.3
2 A	Superphos. and Amm.-salts	29.2	54.0	22.5
3 A	Alkali salts and Amm.-salts	22.4	52.0	19.7
4 A	Complete Minerals and Amm.-salts	44.3	53.0	36.4
1 N	Nitrate of Soda alone	23.4	54.3	19.0
2 N	Superphos. and Nitrate Soda	37.9	55.0	28.8
3 N	Alkali Salts and Nitrate Soda	18.3	53.7	17.3
4 N	Complete Minerals and Nitrate Soda	41.6	53.6	37.4
1 C	Rape Cake alone	37.9	55.3	28.7
2 C	Superphos. and Rape Cake	41.0	53.7	32.0
3 C	Alkali Salts and Rape Cake	33.3	54.8	27.2
4 C	Complete Minerals and Rape Cake	45.2	53.1	33.2
7-1	Unmanured (after Dung, 1852-71)... ..	22.6	54.4	16.8
7-2	Farmyard Dung	46.3	53.8	40.1