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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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Wheat Broadbalk Field 1913 ; Wheat After Fallow (Without Manure 1851 and Since) Hoos Field 1913

Rothamsted Research

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WHEAT. BROADBALK FIELD, 1913.

(See "Guide," 1913, page 30, Table XVI.)

Plot.	Manuring.	Dressed Grain.		Straw per Acre.	Average for 61 years, 1852-1912.	
		Yield per Acre.	Weight per Bushel.		Dressed Grain per Acre.	Straw per Acre.
		Bushels	lb.	cwt.	Bushels.	cwt.
2	Farmyard Manure	25.7	64.9	29.6	35.2	34.8
3	Unmanured	5.8	63.3	4.5	12.6	10.3
5	Complete Mineral Manure	9.4	63.8	7.2	14.5	12.1
6	As 5, and single Amm. Salts	14.2	64.7	13.8	23.2	21.4
7	As 5, and double Amm. Salts	20.8	65.8	26.7	32.1	32.9
8	As 5, and treble Amm. Salts	28.5	65.8	38.4	36.6	41.1
9	As 5, and single Nitrate Soda	23.3	61.6	24.2	—	—
10	Double Amm. Salts alone	11.3	64.5	11.7	20.0	18.4
11	As 10, and Superphosphate	13.4	63.9	14.6	22.9	22.3
12	As 10, and Super and Sulph. Soda	19.0	65.1	22.7	29.1	28.0
13	As 10, and Super and Sulph. Potash	21.6	65.6	36.3	31.0	31.5
14	As 10, and Super and Sulph. Mag.	19.5	65.4	25.7	28.8	28.0
15	Double Amm. Salts in Autumn, and Minerals	22.4	65.6	22.3	29.9	29.7
16	Double Nitrate and Minerals	23.9	65.5	37.4	—	—
17	Minerals alone, or double Amm. Salts	*9.8	*65.0	*9.2	*14.9	*13.0
18	alone, in alternate years	+21.7	+65.7	+31.1	+29.9	+29.5
19	Rape Cake alone	19.8	65.2	24.8	25.4 (2)	25.7 (2)
20 (1)	As 7, but excluding Superphosphate	11.0	65.5	17.5	—	—

* Produce by Minerals. + Produce by Ammonium Salts.
 (1) Commenced in 1906. (2) 20 years, 1893—1912.

NOTE.—As in the previous season (1912), owing to the foulness of the land on the upper half of the field, the produce here recorded was that obtained on the lower half of the field only. (See notes on the crop at p. 7).

WHEAT AFTER FALLOW (without manure 1851 and since). HOOS FIELD, 1913.

(See "Guide," 1913, page 44, Table XXI.)

				1913	Average 57 years 1856-1912
Dressed Grain	...	...	Yield—Bushels per Acre	8.3	16.0
	...	...	Weight per Bushel ...	61.8	59.4
Straw	...	...	cwt. per Acre ..	6.7	13.7
Total produce	...	...	lb. per Acre ...	128.4	253.6