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Guide to the Experimental Plots - 1913

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Hoos Field - Wheat After Fallow

Rothamsted Research

Rothamsted Research (1914) *Hoos Field - Wheat After Fallow* ; Guide To The Experimental Plots - 1913, pp 45 - 45 - DOI: <https://doi.org/10.23637/ERADOC-1-121>

WHEAT AFTER FALLOW

45

HOOS FIELD

WHEAT AFTER FALLOW

The two half-acre plots in Hoos field are never manured, but every year one carries a wheat crop and the other is given a bare summer fallow, the treatment alternating, so that every year one plot is carrying a wheat crop following a bare fallow. By comparing the results obtained with the yield of the unmanured plot growing wheat continuously, the benefit of the bare fallow can be estimated. (See Table XXI.)

LITTLE HOOS FIELD

RESIDUAL VALUE OF MANURES

The object of the experiments in this field is to test the residual value of certain typical manures, *i.e.*, the value of the residues left in the soil after one or more crops have been grown since the time of their application. To eliminate the effect of season, the result yielded by the residue is in all cases compared with that of a new application of the same manure, as well as with a continuously unmanured check plot.

The ordinary dung is made by feeding beasts with hay and roots only, the beasts making the cake-fed dung alongside receive also an ordinary allowance of linseed and cotton cake. The two lots of dung are then laid up in heaps for a short time, and weighed out immediately before applying.

TABLE XXII.—*General Dressings of Mineral Manure on Series A to E, and of Nitrogenous Dressings on Series F to H.*

(Quantities per acre.)

Series A to E.		Series F, G, H.	
1904	3 cwt. Superphosphate.	1904	1 cwt. Sulphate Ammonia.
1905	...	1905	1 cwt. Sulphate Ammonia.
1906	3 cwt. Sulphate Potash.	1906	2 cwt. Sulphate Ammonia. 3 cwt. Sulphate Potash.
1907	3 cwt. Superphosphate.	1907	1 cwt. Sulphate Ammonia.
1908	3 cwt. Superphosphate.	1908	1 cwt. Sulphate Ammonia.
1909	3 cwt. Superphosphate.	1909	1 cwt. Sulphate Ammonia.
1910	...	1910	1 cwt. Sulphate Ammonia.
1911	3 cwt. Superphosphate. 200 lb. Sulphate Potash.	1911	1 cwt. Sulphate Ammonia. 200 lb. Sulphate Potash.
1912	...	1912	1 cwt. Nitrate Soda.