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Memoranda of the Plan and Results of the Field Experiments, May 1870



Full Table of Content

Experiments on Barley; Hoos Field

Rothamsted Research

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EXPERIMENTS ON THE GROWTH OF BARLEY YEAR AFTER YEAR ON THE SAME LAND, WITHOUT MANUE, AND WITH DIFFERENT KINDS OF MANUEL.

Previous Cropping-1847, Swedish Turnips, with Dung and Superphosphate of Lime, the Roots carted off; 1848, Barley; 1849, Clover; 1850, Wheat; 1851, Barley manured Barley every year since; and, unless stated to the contrary in the foot-notes, the same Manure has been applied year after HOOS FIELD. with Ammonia salts.

First Experimental Barley Crop in 1852.

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year

(Area under experiment, about 44 acres.) the same Plot.

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8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	acre = (about) 0.40 Hectare or 1.59	1 bushel = (about) 0.36 Hectolitre or 0.66 1 lb. (pound avoir.) . = (about) 0.45 Kilogramme or 0.91 1 cwt. (hundredweight) = (about) 51.0 Kilogrammes or 1.02	1 Dushal per acre = (about) 1-12 Kilogramme per Hectare or 0.42 fr. Schleuer per 1 lb. per acre = (about) 1-12 Kilogramme per Hectare or 0.57 Zolly. Pfd. per 1 cwt. per acre = (about) 25.5 Kilogrammes per Hectare or 0.44 Centher per Pt.	Manures, per acre; eighteenth Scason—1869.	Ormanured continuously Ormanured continuou	A. 200 lbs. Ammonia-salts (3)	AA. 275 lbs. Nitrate of Soda; and "Superphosphate of Lime"	AAS. 275 lbs. ditto and "Superphosphate of Lime" Mixed Alkalles" and 400 lbs, Silicate of Soda ® ditto "Superphosphate of Lime" Mixed Alkalles" and 400 lbs, Silicate of Soda ® ditto "Superphosphate of Lime" ditto ditto ditto "Superphosphate of Lime" ditto ditto ditto "Superphosphate of Lime" ditto ditto ditto Superphosphate of Lime" ditto ditto ditto Superphosphate of Lime" ditto d	C. 1000 lbs. Rape-cake ; and "Superphosphate of Lime"	N. 275 lbs. Witrate of Soda	O. 200 lbs. © Sulphate of Potass ; and "Superphosphate of Lime" (200 lbs. © ditto ; and 200 lbs. "Ammonia-salts"	Unmanured continuously	remaining halves; and, for the period of 17 years, 1852–1868. (*) 2000 lbs. Rape-cale per (*) 300 lbs. Sulphate of 1 Nitrate of Soda, the first year ((*) 550 lbs. Nitrate of Soda (*) 300 lbs. per annum for (*) Amonia-salts also the (*) Amonia-salts also the (*) Average of 16 years on (*) Average of 16 years on (*) Average of 16 years on (*) Average of 14 years on (*)