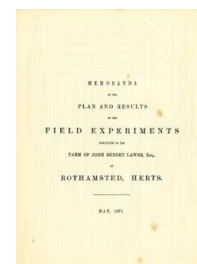


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Memoranda of the Field Experiments at Rothamsted, May 1872



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Experiments on Oats; Geescroft Field

Rothamsted Research

Rothamsted Research (1873) *Experiments on Oats; Geescroft Field* ; Memoranda Of The Field Experiments At Rothamsted, May 1872, pp 5 - 5 - DOI: <https://doi.org/10.23637/ERADOC-1-236>

(5)

GEESCROFT FIELD.

EXPERIMENTS ON THE GROWTH OF OATS YEAR AFTER YEAR ON THE SAME LAND; WITHOUT MANURE, AND WITH DIFFERENT KINDS OF MANURE.
 Previous Cropping—1847 and 1848, Clover, Experimental Manures; 1849—1859, Beans, Experimental Manures; 1860, Fallow; 1861 and 1862, Wheat, Unmanured;
 1863, Fallow; 1864, Beans, Dunged; 1865, Wheat, Unmanured; 1866, Beans, Unmanured; 1867 and 1868, Wheat, Unmanured.
 First Experimental Oat Crop in 1869.

(Area under Experiment, $\frac{3}{4}$ acre).

PLOTS.	PRODUCE PER ACRE.											
	1ST SEASON, 1869.				2ND SEASON, 1870.				3RD SEASON, 1871.			
	Dressed Corn.		Total Straw.	Weight per Bushel.	Dressed Corn.		Total Straw.	Weight per Bushel.	Dressed Corn.		Total Straw.	Weight per Bushel.
	Quantity.	lbs.			Quantity.	lbs.			Quantity.	lbs.		
	Quantity.	cwts.	Quantity.	cwts.	Quantity.	cwts.						
1	Unmanured	Bushels. 36½	lbs. 36½	19½	Bushels. 16½	lbs. 35	9½	Bushels. 20½	lbs. 33½	11½		
2	{ 200 lbs. Sulphate Potass, 100 lbs. Sulphate Soda, 100 lbs. Sulphate Magnesia, and 3½ cwt. Superphosphate of Lime (1)	45	38½	21½	19½	35½	9½	22	35½	13½		
3	400 lbs. Ammonia-salts (2)	56½	37½	36½	30	34½	17½	57½	36½	40½		
4	{ 400 lbs. Ammonia-salts, 200 lbs. Sulphate Potass, 100 lbs. Sulphate Soda, 100 lbs. Sulphate Magnesia, and 3½ cwt. Superphosphate	75½	39½	54	50½	35	28½	58½	35½	50		
5	550 lbs. Nitrate of Soda (3)	62½	38½	42½	36½	35½	23	55	36½	34½		
6	{ 550 lbs. Nitrate of Soda, 200 lbs. Sulphate Potass, 100 lbs. Sulphate Soda, 100 lbs. Sulphate Magnesia, and 3½ cwt. Superphosphate	69½	38½	49½	50	35½	28½	60½	33½	43½		

(1) "Superphosphate of Lime"—in all cases, made from 200 lbs. Bone-ash, 150 lbs. Sulphuric Acid sp. gr 1.7 (and water).
 (2) "Ammonia-salts"—in each case, equal part Sulphate and Murate of Ammonia of Commerce.
 (3) 550 lbs. Nitrate of Soda is reckoned to contain the same amount of Nitrogen as 400 lbs. "Ammonia-salts."