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Memoranda of the Plan and Results of the Rothamsted Field Experiments, May 1866



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Experiments on Permanent Meadow Land; the Park

Rothamsted Research

Rothamsted Research (1867) Experiments on Permanent Meadow Land; the Park; Memoranda Of The Plan And Results Of The Rothamsted Field Experiments, May 1866, pp 2 - 2 - DOI: https://doi.org/10.23637/ERADOC-1-232

EXPERIMENTS WITH DIFFERENT MANUES ON PERMANENT MEADOW LAND.

THE PARK

The Land has probably been laid down with Grass for some centuries. No fresh seed has been artificially sown within the last 30 years certainly, nor is there record of any having been sown since the Grass was first laid down. The experiments commenced in 1856, at which time the character of the herbage appeared uniform over all the Plots. Excepting as explained in the Table, and in the foot-notes, the same description of Manure has been applied to the same Plots year after year.

				(2)				
(Area under experiment, about 6% acres.)	Produce per Acre, weighed as Hay.	Tenth Season; 1865.	Cwts. 324 254 113	$\begin{array}{c} 11\\ 26\\ 15\frac{1}{2}\\ 16 \end{array}$	2223 344 3224 522 552	174	414	4 2 2 2 2 2 2 3 6 2 2 2 2 2 2 2 2 2 2 2 2	214
		Average per Annum; 10 Years 1856-1865.	Cwts. 49½ 43 22½	$24\frac{2}{2}$ (8) $39\frac{3}{2}$ (8) $30\frac{1}{2}$ $31\frac{1}{2}$	3.4 5.33 5.22 6.12 6.34 6.34 9.35 9.35 9.35 9.35 9.35 9.35 9.35 9.35	25	543	$\begin{pmatrix} 53 \\ 36 \\ 454 \\ 34\frac{1}{2} \end{pmatrix}$:
	davoir, davo	1 ton = (; 1 1b. per acre = (; 1 cwt. per acre = (;	200 lbs. Anmonia-salts (1) [also 14 tons Farmyard Manure per acre per annum, for 8 years, 1856-1863]	a Superphosphate of Lime © ditto ; and 400 lbs. "Ammonia-salts"	Sulphates of Potass, Soda, and Magnesia (4); and "Superphosphate of Lime" ditto Sulphates of Soda and Magnesia (4); and ditto Sulphates of Soda and Magnesia (4); ditto Sulphates of Potass, Soda, and Magnesia (4); ditto	Unmanured, continuously	Sulphates of Potass, Soda, and Magnesia (4); "Superphosphate of Lime" 400 lbs. "Ammonia-salts;" and 2000 lbs. Cut Wheat-straw	Sulphates of Potass, Soda, and Magnesia (*); "Superphosphate of Lime"; and 550 lbs. ditto	Mixture supplying the quantity of Potass, Soda, Lime, Magnesia, Phosphoric Acid, Silica, and Nitrogen contained in 1 ton of hay (commencing in 1865)
4		PLOTS.	- 64 88	$ \begin{array}{c} 4 \left\{ a \\ 5 \\ 6 \end{array}\right\} $	(3) 8 (9) 9 (3) 10 11 113	12	13	14 15 16 17	18

Equal parts Sulphate and Muniate of Ammonia of Commerce.

Plots 8, 8, and 10, had, besides the Manures specified, 2000 blss. Savdust per acre per annum for 7 years, 1856–1862, but without effect.

Plots 8, 8, and 10, had, besides the Manures specified, 2000 blss. Savdust per acre per annum for 7 years, 1856–1862, but without effect.

250 lbs. Sulphate of Potass, 100 lbs. Sulphate of Soda (500 lbs. 1853–1863), and 100 lbs. Sulphate of Magnesia (Sulphate of Potass also as on Plots 7, &c., 1856–1861).

Soft bls. in 1859–40. Is, in 1859–60–61; and 800 lbs. since.

(*) Average of 8 years only, 1856–1865.

Average of 8 years only, the application of Silicates not being commenced until 1862.

Average of 4 years only, the application of Silicates not being commenced until 1862.

Average of 8 years only, as these experiments did not commence until 1858.