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Memoranda of the Plan and Results of the Rothamsted Field Experiments, June 1862



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Experiments on Permanent Meadow Land; the Park

Rothamsted Research

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EXPERIMENTS WITH DIFFERENT MANURES ON PERMANENT MEADOW LAND.

THE PARK.

The Land has probably been laid down with Grass for some centuries; and no seed has been artificially sown for the last 25 years at any rate; nor is there any record of fresh seed having been sown since the time the Grass was first laid down. The experiments commenced in 1856, at which time the character of the herbage appeared to be uniform over all the Plots. With with some few exceptions, the same description of Manure has been applied to the respective Plots each year.

(Area under experiment, about 64 acres).

Average Produce per Acre per Annum during 6 years. 1856-61. (Weighed as Hay.)	Cwts. 48\$ 424 23\$	28 } (5) 44 } (5) 53	8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	25 70 42 84	51.2 37.4 43.2 32.2 (8)
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(a) Equal parts Sulphate and Muriate of commerce.

(b) 200 lbs. Bone-ash, 150 lbs. Sulphate of Special and 100 lbs. Sulphate of Magnesia.

(c) 100 lbs. Sulphate of Potass, 200 lbs. Sulphate of Soda, and 100 lbs. Sulphate of Magnesia.

(d) In previous years the same as described above (3); in the present season, no Sulphate of Potass, but 500 lbs. Sulphate of Soda, and 100 lbs. Sulphate of Magnesia.

(e) Average of 3 years only (1859-66-61); Sawdust alone the three previous years (1856-7-8).

(f) Soo lbs. in 1856-7-8, and 400 lbs. only in 1859-66-61.

(f) This is one half of the former Pote **11," and the application of Silicates only commenced this Season (1862).