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



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Rothamsted Research

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

HOOS FIELD.

Barley; 1849, Clover; 1850, Wheat; 1851, Barley off; 1848, carted roots superphosphate of lime, the Previous cropping—1847, Swedish turnips, with dung and manured with ammonia-salts.

First experimental Barley-crop in 1852. Barley every year sit

year. year since; and, with one or two exceptions, the same manures on the same plots each Barley every

(11) Average of 9 years only.

200 lbs. bone-ash, 150 lbs. sulphuric acid (sp. gr. 1-7).

200 lbs. sulphate of potass, 160 lbs. sulphate of soda, and 100 lbs. sulphate of magnesia; for the first six years, 300 lbs., and 100 lbs. respectively.

Equal parts sulphate and muriate of commerce.

2000 lbs. per annum for the first six years, and 1000 lbs. only, each year since.

300 lbs. sulphate of potass, 200 lbs. bone-ash, and 150 lbs. sulphuric acid (sp. gr. 1-7), without nitrate of soda, the first year (1852); nitrate alone each year since.

300 lbs. per annum for the first six years, and 275 lbs. only each year since.

300 lbs. per annum for the first six years, and 200 lbs. each year since.

300 lbs. per annum for the first years, but not since.

300 lbs. per annum for the first years, but not since. 2688868**£**