

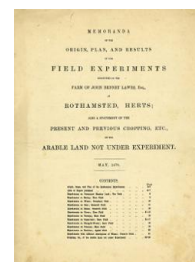
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Yields of the Field Experiments 1878

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Experiments on Barley; Hoos Field

Rothamsted Research

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HOOS FIELD.

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

Previous Cropping—1847, Swedish Turnips, with Dung and Superphosphate of Lime, the Roots carted off; 1848, Barley; 1850, Wheat; 1851, Barley manured with Ammonia-salts. First Experimental Barley Crop in 1852. Barley every year since; and, unless stated to the contrary in the Table, or in the foot-notes, the same Manure has been applied year after year to the same Plot.

(Area under experiment, about 44 acres.)

Table with columns for Plots, Manures per acre, Average per Acre, Total Straw, and Dressed Corn. It contains data for various plots (1 O, 2 O, 3 O, 4 O, 1 A, 2 A, 3 A, 4 A, 1 AA, 2 AA, 3 AA, 4 AA, 1 AAS, 2 AAS, 3 AAS, 4 AAS, 1 C, 2 C, 3 C, 4 C, 1 N, 2 N, 5 O, 5 A, M, 6 1/2, 7 1/2) over multiple years (1847-75). The table includes sub-columns for quantity, weight, and dressed corn for both total straw and dressed corn.

(1) The "Superphosphate of Lime" is, in all cases, made from 200 lbs. Bone-ash, 150 lbs. Sulphuric acid sp. gr. 1.7 (and water). (2) 300 lbs. per annum for the first six years, 1852-7. (3) 200 lbs. per annum for the first six years, 1852-7. (4) The "Ammonia-salts" are in all cases equal parts Sulphate and Murate of Ammonia of Commerce. (5) First 6 yrs., 1852-7, instead of Nitrate of Soda, 400 lbs. Ammonia-salts per annum; next 10 yrs., 1858-67, 200 lbs. Ammonia-salts per annum; 1868, and since, 275 lbs. Nitrate of Soda per annum. 275 lbs. Nitrate of Soda is reckoned to contain the same amount of Nitrogen as 200 lbs. "Ammonia-salts."

excepting the addition of the Silicates, have been, and are, in other respects, manured in the same way as the "A.A." plots. (1) 300 lbs. Superphosphate of Lime, and 1000 lbs. only, each year since. (2) 200 lbs. Superphosphate of Lime, without Nitrate of Soda, the first year (1852); Nitrate of Soda, 400 lbs., next 10 years, 1858-67, 200 lbs. Ammonia-salts also the first year, but not since. (3) Ammonia-salts also the first year, but not since. (4) Averages of 11 years, 12 years, and 25 years. (5) Averages of 6 years, 12 years, and 18 years. (6) Averages of 20 years (with dung), 4 years (unmanured), and 24 years.