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## Memoranda of the Field Experiments at Rothamsted: May 1877



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## **Experiments on Barley; Hoos Field**

## **Rothamsted Research**

Rothamsted Research (1878) Experiments on Barley; Hoos Field; Memoranda Of The Field Experiments At Rothamsted: May 1877, pp 3 - 3 - DOI: https://doi.org/10.23637/ERADOC-1-241

## HOOS FIELD.

Previous Cropping—1847, Swedish Turnips, with Dung and Superphosphate of Lime, the Roots carted off; 1848, Barley; 1849, Clover; 1850, Wheat; 1851, Barley manured with Ammonia-salts. First Experimental Barley Crop in 1862. 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 sam EXPERIMENTS ON THE GROWTH OF BARLEY YEAR AFTER YEAR ON THE SAME LAND, WITHOUT MANURE, AND WITH DIFFERENT KINDS OF MANURE.

1 acre	or 1:59 Prussian Morgen or 0:56 Prussian Scheffel or 0:66 Prussian Scheffel.	or 102 Schner.	0.57 Zolly. Pfd. per Pr. Morgen.	or 0.64 Centiner per Pr. Morgen, Quantity. Weight per Bushel.	Manures, per acre, per annum.  12 Years, 12 Years, 24 Years, 12 Ye	Ummanured continuously 34 evets Superphosphate of Lime 60 214 2500 lbs. (9 Sulphate Potass: 100 lbs. (9 Sulphate Seds. 100 lbs. (9 Sulphate Potass: 100 lbs. (9 S	Cwas. Superphosphate 50% 21½ 255 52½ 54½ 58½ 155% 155% 155% 155% 155% 155% 155% 155	Aurage, 95 cwts. Superptions. \$\frac{4}{5}\text{i} \text{i} \text{i} \text{4} \text{4} \text{45\frac{5}{5}} \text{55\frac{5}{5}} \t	24	agnesia	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	547 - 533  (1) $193 - 553 $ (29 $544 - 553 $ (19 $133 - 544 $ $532 $ (19 $132 - 544$		Formyard frautre 14 tons, every year; av produce, 20 years, 1862–71, 494 bush.; 4 years, 1872–5, 502 bush. 464 554 564 554 555 554 555 554 555 555	acid Sp. 27-147 (and water).  (2) 300 lbs. per annum for the first six years, 1852-7.  (3) 300 lbs. per annum for the first six years, 1852-7.  (4) 300 lbs. Rape-cake per anium for the first six years, 1852-7.  (5) 300 lbs. Rape-cake per anium for the first six years, 1852-7.  (6) 300 lbs. Rape-cake per anium for the first six years, 1852-7.  (7) 2000 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (8) 300 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (8) 300 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (8) 300 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (9) 300 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (8) 300 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (9) 500 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (8) 300 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (9) 500 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (9) 500 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (9) 500 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.  (9) 500 lbs. Rape-cake per anium for the first six years, 1000 lbs. only, each year since.
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<sup>(\*)</sup> First 6 years, 1882—7, instead of Nitrate of Soda, 400 lbs. Ammonia-salts per annum; next 10 years, 1882–67, 200 lbs. Ammonia-salts per annum; 1868–186, and since, 275 lbs. Nitrate of Soda per contain the annum; 1864–186, and since of Soda is reckoned to contain the same amount of Nitrogen as 200 lbs. Ammonia-salts.

Nitrate of Soda is reckoned to contain the same amount of Nitrogen as 200 lbs. Ammonia-salts.

Soda and 200 lbs. Silicate of Lime were applied per acre, but in 1864–5 and 7, 200 lbs. Silicate of Soda, and and 200 lbs. Silicate of Lime were applied per acre, but in 1868, and since, 400 lbs. Silicate of Soda, and since, 400 lbs. Silicate of Soda, and solar lime. These plots ("AAS") comprise, respectively, one half of the original "AA" picks, and