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



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Experiments on Barley; Hoos Field

Rothamsted Research

Rothamsted Research (1867) *Experiments on Barley; Hoos Field;* Memoranda Of The Plan And Results Of The Rothamsted Field Experiments, May 1866, pp 3 - 3 - **DOI:** https://doi.org/10.23637/ERADOC-1-232

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Wheat; 1851, Barley manured year. 1850, Manures on the same Plots each Clover; Barley; 1849, 1848, the same off; carted exceptions, the Roots HOOS FIELD twoSuperphosphate of Lime, or one with year since; and, and Dung every Barley Turnips, with 1852. Swedish Crop in Ammonia-salts. Cropping-1847, First Experimental

MANURE.

OF

WITH DIFFERENT KINDS

WITHOUT MANURE, AND

ON THE SAME LAND,

YEAR

AFTER

YEAR

BARLEY

OF

GROWTH

THE

NO

EXPERIMENTS

experiment, about 44 (Area under

Fourteenth Season, 1865. [ota] ewts. 8 9 10 13 214 16 224 22222 22222 22222 16 23 17 243 2222 14120 2504 1504 1504 183 Weight 5241 5241 5422 5348 53 10 10 10 60 60 60 60 414 44 44 80 0 0 0 80 0 4 0 84 84 84 84 54 533 Dressed Corn. Quantity Bushels. 18 22 22 24 24 35 47 41 41 50 3 21 194 524 833 447 440 49 37 393 1981 1981 E E **A** PRODUCE Total 48228 Average per Annum, ove 14 Years, 1852-1865. 284 30 284 304 304 134 125 285 285 23% (274 (131 294 123 Weight Œ **EEE** Dressed Corn. 1bs 522 524 534 52225 554 564 55 5222 5222 5224 5224 5454 5454 5454 524 Quantity Œ £ 212 247 200 204 247 247 247 428.48 341 484 478 478 478 390 390 51 39½ 51 45½ 545¾ 448448 8448448 45.44 23.844 888 43 € 1111 of Soda : : : Silicate ::: nd 200 lbs. each, and Silicate of Centner.
Pr. Scheffel per Pr. Morgen.
Zollv. Pfd. per Pr. Morgen.
Centner per Pr. Morgen. ; and and 200 lbs. "Ammonia-salts Prussian Morgen. Prussian Scheffel. d "Mixed Alkalies" " Mixed Alkalies" "Mixed Alkalies" " Mixed Alkalies" none 1.02 0.42 0.57 0.64 Manures, per acre; fifteenth Season—1866. or or or .10 and, Kilogrammes o
Hectolitre per Hectare .. o
Kilogramme per Hectare o
Kilogrammes per Hectare o and "Superphosphate of Lime" none "Superphosphate of Lime" and "Superphosphate of Lime" and "Superphosphate of Lime" and "Superphosphate of Lime "Superphosphate of Lime" "Superphosphate of Lime" "Superphosphate of Lime "Superphosphate of Lime Hectare .. Hectolitre Kilogramme 1.12 :: ::: : : and Magnesia; : : : : : : : H 11 H H 18 (hundredweight) 1:: : : : : : acre
bushel
lb. (pound avoir.)
cwt. (hundredweig
bushel per acre
lb. per acre
cwt. per acre (pound avoir.) 200 lbs. (*) Sulphate of Potass 200 lbs. (*) ditto 100 lbs. each, Sulph. Soda and Sulph. weeds) : : : : : 1:: : ; and Unmanured continuously Superphosphate of Lime (1) Mixed Alkalies (2) Ashes (burnt soil, turf, an Farm-yard dung (14 tons 200 lbs. Ammonia-salts (3) 200 lbs. ditto 200 lbs. ditto 200 lbs. ditto Unmanured continuously Ashes (burnt soil, turf, a 275 lbs. Nitrate of Soda 275 lbs. (8) ditto Rape-cake 1000 lbs. (*) E 1000 lbs. (*) 1000 lbs. (*) 1000 lbs. (*) 200 lbs. (4) 200 lbs. (4) 200 lbs. (4) 200 lbs. (4) 1bs. (4) 1bs. (4) 1bs. (4) 1bs. (4) 2000 AAS. AAS. AAS. 66 PLOTS. **\$\$\$\$** ৰ্ব্ব্ৰ ರರರರ 0000 zz O.A.M $6\frac{1}{2}$ 1 12384 12354 12334 101004 10 10

150 lbs. Suphuric acid (sp. gr. 1-7), without Nitrate of Soda, the first 300 lbs. per annum for the first six years, and 200 lbs. each year since.rerage of 11 years only. ar since. These Silicated plots ("AAS") comprise, respectively, one half of the original Magnesia (for the first six years, 300 lbs., 200 lbs., and 100 lbs., respectively). 200 lbs. Bone-ash, 150 lbs. Sulphuric acid (sp. gr. 1-7).

Equal parts Sulphate and Muriate of Ammonia of Commerce.

(1) 400 lbs. per annum for the first six years, and 200 lbs. only each year since for application of Silicates did not commence until 1864, so that the average produce given applies to two years only (1864 and 1865). These for application of Silicates did not commence until 1864, so that the average produce given applies to two years only (1864 and 1865). These for a will be seen, they continue to be, in other respects manured in the same ways as the remaining halves.

2000 lbs. Sulphate of Potass, 200 lbs. Bone-ash, and (7) 300 lbs. Sulphate of Potass, 200 lbs. Bone-ash, and (8) 550 lbs. Nitrate of Soia for 1853-4-5-6, and 7; and 275 lbs. only each year since.

(2) Average of 18 years only.

(3) Average of 18 years only.

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