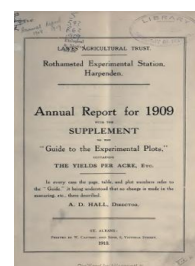


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Annual Report for 1909 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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BARLEY. HOOS FIELD, 1909.

(Previous cropping : Potatoes, 1876-1901 ; Barley, 1902 and 1903 ; Oats, 1904 ; Barley, 1905 and since).

(See " Guide," page 40, Table XIX.)

| Plot. | Manures applied to the Potatoes, 1876-1901. Unmanured since. | Dressed Grain. | | Straw. | Total Produce. |
|-------|--|----------------|--------------------|--------|----------------|
| | | Yield. | Weight per Bushel. | | |
| | | Bushels. | lbs. | Cwt. | lbs. |
| 1 | Unmanured | 9.7 | 54.4 | 8.5 | 1605 |
| 2 | Unmanured 1882 to 1901, previously Dung only ... | 14.7 | 53.4 | 11.2 | 2160 |
| 3 | Dung 1883-1901 | 24.1 | 53.9 | 19.5 | 3680 |
| 4 | Dung 1883-1901 | 24.8 | 53.6 | 21.0 | 3861 |

WHEAT AFTER FALLOW (without manure 1851 and since).
HOOS FIELD, 1909.

See " Guide," page 41, Table 20.

| | |
|----------------------|-------------------------------|
| Dressed Grain | { Yield—12.9 bushels. |
| | { Weight per bushel—55.4 lbs. |
| Straw | 13.7 cwt. |
| Total Produce | 2326 lbs. |

COMPARATIVE TEST OF NITROGENOUS FERTILISERS.
BARLEY. LITTLE HOOS FIELD, 1909.

| Plot. | Manuring. | Dressed Grain. | Offal Grain. | Straw. | Weight per bushel of Dressed Grain. | Proportion of Offal to 100 of Dressed Grain. | Proportion of Grain to 100 of Straw. |
|-------|-----------------------------------|----------------|--------------|--------|-------------------------------------|--|--------------------------------------|
| | | Bushels. | lb. | Cwt. | lb. | | |
| 1 | Superphosphate alone | 27.7 | 101 | 22.4 | 54.0 | 6.8 | 63.6 |
| 6 | Do. do. | 29.7 | 182 | 24.4 | 55.3 | 11.1 | 66.8 |
| 2 | Super and Nitrate Soda=50 lb. N. | 44.6 | 277 | 30.6 | 50.0 | 12.4 | 73.1 |
| 7 | Do. do. do. | 51.6 | 316 | 38.7 | 54.9 | 11.2 | 72.6 |
| 3 | Super and Nitrate Lime=50 lb. N. | 45.2 | 364 | 42.9 | 53.5 | 15.1 | 57.9 |
| 8 | Do. do. do. | 47.1 | 321 | 36.5 | 55.1 | 12.4 | 71.3 |
| 4 | Super & Sulph. Ammonia=50 lb. N. | 49.3 | 280 | 26.3 | 54.4 | 10.4 | 100.7 |
| 9 | Do. do. do. | 48.8 | 270 | 36.5 | 54.8 | 10.1 | 71.9 |
| 5 | Super and Cyanamide=50 lb. N. ... | 43.9 | 182 | 39.9 | 54.4 | 7.6 | 57.5 |
| 10 | Do. do. do. ... | 46.5 | 300 | 31.1 | 54.8 | 11.8 | 81.7 |

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