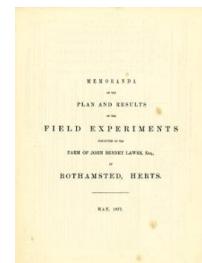


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Memoranda of the Field Experiments at Rothamsted, May 1872

[Full Table of Content](#)



Experiments on Sugar Beet; Barn Field

Rothamsted Research

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BARN FIELD.

EXPERIMENTS ON SUGAR BEET,

TO BE GROWN YEAR AFTER YEAR ON THE SAME LAND, WITHOUT MANURE, AND WITH DIFFERENT DESCRIPTIONS OF MANURE, COMMENCING 1871.

Previous Cropping :—1843-'48 (6 Seasons), experiments on Norfolk White Turnips, with different descriptions of Manure.

849-52 (4 Seasons), experiments on Swedish turnips, with different descriptions of Manure.

1856-'70 (15 Seasons), experiments on Swede Turnips, with different descriptions of Manure, in which the arrangement of the Plots was the same, and that of the Manures very similar—in fact, exactly the same during the last 10 years as in the Sugar Beet experiments, excepting that, during that period, the Alkalies were omitted for the Swedes.

Area under experiment about 8 acres.

The experiments are arranged as under, in 5 Series, each of which comprises 8 Plots.

"Superphosphate of Lime,"—in all cases made, from 200 lbs., Bone-ash, 150 lbs., Sulphuric Acid, sp. gr. 1.7 (and water).

Superphosphate, 300 lbs. Sulphate Potash, 20 lbs. Sulphate Soda, 100 lbs. Sulphate Magnesia.