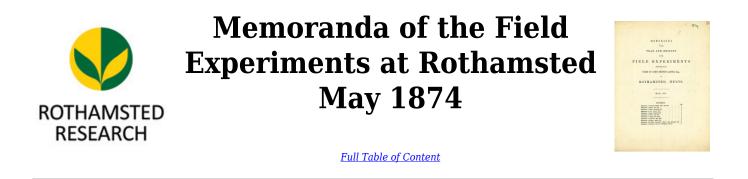
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Experiments on Sugar Beet; Barn Field

Rothamsted Research

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Each Plot as Series 1, and Cross-dressed with 2000 lbs. Rape-cake. Previous Cropping :--1843-48 (6 Seasons), experiments on Norfolk White Turnips, with different descriptions of Manure. 1849-755 (4 Seasons), experiments on Swede Turnips, with different descriptions of Manure. 1855-770 (15 Seasons), Barloy without Manure (with a view a far as possible to equalise the condition of the Plots). 1856-770 (15 Seasons), experiments on Swede Turnips, with different descriptions of Manure, 1856-770 (15 Seasons), experiments on Swede Turnips, with different descriptions of Manure, 1866-770 (15 Seasons), experiments on Swede Turnips, with different descriptions of Manure, the same, and that of the Manures very similar-in fact, exactly the same during the last 10 years—as in the first year of Sugar Beet, excepting that, during those 10 years, the Alfadies were omitted for the Swedes. For the second and subsequent years of Sugar Beet slight alterations in the will be seen below. SERIES 5. Each Plot as Series 1, and Cross-dressol with 2000 lbs. Rape-cake, and 400 lbs. "Ammonia-salts." SAME LAND, WITHOUT MANURE, AND WITH DIFFERENT DESORIPTIONS OF MANURE, COMMENCING 1871. SERIES 4. The experiments are arranged as under, in 5 Series, each of which comprises 8 Plots. Each Plot as Series 1, and Cross-dressed with 400 lbs. "Ammonia-salts." e, SERIES EXPERIMENTS ON SUGAR BEET-BARN FIELD. Each Plot as Series 1, and Cross-dressed with 550 lbs. Nitrate Soda. SERIES 2. Manures, per Acre, per Annum. FIRST SEASON, 1871 Area under experiment about 8 acres. 1 YEAR ON THE SERIES AFTER GROWN YEAR PLOTS.

-	Dist. Leaves. evels. Tons. evels. evels. Tons. evels. 16 5 5 19 3 19 19 3 19 7 3 19 7 3 17 4 9 7	1	Ú	1		10 U							
	1.2			l.eaves.	Tons. cwts. 5 11 3 11 3 15 3 15 3 16 3 16 3 16 3 16 3 16 4 6			Leaves.	Tous. cw(s.) 6 18 6 18 8 1 3 8 3 8 3 1 4 9 8 14 8 16 3 16				
	Tons. Koots. Tons. cw 25 4 25 4 20 16 21 7 18 19 21 7 21 7 21 7 21 7 21 2 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7 21 7		PRODUCE PER ACRE (Roots trimmed as for feeding, not as for Sugar-making).	Roots.	Tons. cwts. 2025 5 2015 163 1718 1517 1517 1517 1517 1517 1510 1510			Roots.	Tons. cwts. 23 10 21 18 14 13 16 1 15 17 15 17 15 2				
gar-malcing).	Leaves. Tons. cwts. 6 14 6 7 7 7 6 3 6 11 5 0 7 11			Lenves.	Tons, owts. 9 11 9 14 10 14 7 13 7 13 10 4 9 9 9 10 9 17		gar-making).	Leaves.	Tons. cwts. 12 10 13 16 13 16 13 16 13 16 13 16 9 1 9 5 9 5 9 0 9 8				
PRODUCE PER ACRE (Roots trimmed as for feeding, nut as for Sugar-making) Doots 1	Tonk Wools, 26 4 26 4 26 4 28 19 19 18 23 11 23 11 21 0 21 19 21 11 21 13 21 13			Roots.	Tons, cwts, 26 8 25 9 26 8 26 9 23 8 18 11 23 16 19 12 19 12		PRODUCE FER ACRE (Roots trimmed as for feeding, not as for Sugar-making)	Roots.	Tons, cwts, 22 15 15 17 15 12 20 3 14 15 19 16 15 2 15 2 15 2 15 2				
as for feeding.	Leaves. Tous. cwts. 4 16 4 16 3 5 3 19 3 19 4 15 4 15 4 15 4 15 4 15 4 15 4 15 4 15 4 15 4 15 6 15 7 15 8 16 8 1			Leaves.	Tons. cwts. 9 0 7 116 7 116 8 7 8 7 8 119 8 119 8 119 8 119 8 119 8 119		as for feeding,	Leaves.	Tons, cwts, 9 18 9 16 3 16 3 10 4 15 2 19 2 19 2 19				
Roots trimmed	Trons. cwts. 22 1 22 1 21 15 15 6 17 10 17 8 17 8 18 8 16 2 16 2			Roots.	Tons. ewts. 22 14 15 10 14 7 15 9 15 9 15 9 15 9		Roots trimmed	Roots.	Tons, ewts, 222 24 19 4 12 10 12 10 12 10 12 18 13 0 8 8 8				
PER ACRE (Tons. evts. 5 13 5 12 4 8 3 14 3 18 3 16		PER ACRE (Leaves.	Tons, ewts, 7 19 8 16 6 6 5 19 6 4 5 14 6 1 5 19 5 19		PER ACRE (Leaves.	Tons, ewts, 10 9 11 0 6 11 6 11 5 13 5 13 5 18				
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Tanva	Tous, cwts. 2 15 2 14 2 14 1 5 1 8 1 14 1 14	SEASON, 1872.		Leaves.	Tons, cwts, 4 2 3 18 3 13 1 13 1 10 1 8 1 5 1 5 1 5	ASON, 1873		Leaves.	Tons, cwts. 5 12 5 12 1 11 1 13 1 13 1 13 1 13 1 12 1 12	FOURTH SEASON, 1874.			
Roote	Tons. ewts. Tons. ewts. Tons. ewts. Tons. ewts. Tons. Tons. Tons. Tons. Tons. Tons.	SECOND SE					Roots.	Tons, ewts, 15 13 7 17 6 14 6 14 6 17 6 17 6 17 6 15 5 4	THIRD SEASON,		Roots.	Tons, cwts. 15 2 5 1 5 2 5 2 5 2 5 1 5 19 4 11	OURTH SE
	Farmyard Manure (14 tons) Farmyard Manure (14 tons) Remyard Manure (14 tons) and 32 evts. Superphosphate of Line (1) Without Manure (10 O DS Superplayers) and the forest 200 lbs. Supphosphate Soda, and 32 evers. Superphosphate sevets. Superphosphate and 300 lbs. Sulph. Potass werk. Superphosphate, and 300 lbs. Sulph. Potass, and 363 lbs. Animonia-selts (5) Without Manure 1853 and since; previously part Unmanured, and part Superphosphate	21			Farmyard Manure (14 tons) and 34 ovvs. Superphosphate of Line (1)				Farmyard Manure (14 fons) Farmyard Manure (14 fons) Farmyard Manure (14 tons) and 35 ovts. Superphosphate of lime (1)	H			
					HQS 4 290 - ∞					1			

For the Crop of 1874 Superphysical results, or Line, Sulphate of Potass, Chloride of Sodium, and Sulphate of Magnesia, applied as in 1872 and 1873; but no farmyard manure, or cross-dressings of Nitrate of Soda, Ammonia-sults, or Repe-cake.

"Superplosphate of Line"—in all cases made from 200 lbs. Bone-ash, 150 lbs. Sulphuric Acid sp. gr. 1.7 (and water).
"Ammonia-salts"—in each case equal parts Sulphate and Muriata of Ammonia of Commerce.