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Yields of the Field Experiments 1967

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67/S/SB/A/10 Saxmundham - Rotation 2

Rothamsted Research

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67/A/10.1

SAXMUNDHAM

ROTATION II 1967

(SB)

For history, treatments, rotations, etc. see Rothamsted Report for 1964, pp. 228 - 232 and 'Results' 66/A/11. For previous years' results see 'Results' 64/A/11, 65/A/11, 66/A/11.

Four strips, alternately of sugar beet and white turnips, were cross-drilled on each of the two blocks of the experiment. The plots were manured as in 1966.

Basal manuring: 1.2 cwt N, 2.0 cwt K₂O as 'Nitro-Chalk' and muriate of potash.

Area of each sub-plot: 0.0136. Area harvested: Sugar beet and turnips - 0.0045.

Cultivations, etc.: FYM applied: Sept 27, 1966. First half dressings of triple superphosphate applied: Sept 21. Ploughed: Sept 29 - Oct 27. Second half dressing of triple superphosphate and basal NK applied: Mar 8, 1967. Seed drilled (both crops): Mar 30. Sugar beet: Dusted against flea-beetle: May 13. Singled: May 15 - 30. Sprayed with demeton-s-methyl: June 12 and July 7. Lifted: Sept 28. Variety: Klein E. Turnips: Singled: May 1 - 10. Harvested: July 11. Variety: Green.

67/A/10.2

SUMMARY OF RESULTS

Plot	Treatment 1966 and 67	Roots (washed)	Sugar beet		Tops	Turnips Roots
			Sugar %	Total sugar		
1	PO	8.30	15.7	26.2	5.32	2.22
2	PO	13.50	17.6	47.5	4.73	5.00
3	PO	16.88	17.6	59.4	4.95	6.84
4	D	19.55	17.2	67.2	6.48	7.71
5	DP1	19.51	17.3	67.3	6.56	8.13
6	P1	18.35	17.3	63.4	6.51	7.92
7	P2	18.61	17.3	64.4	5.83	7.88
8	PO	17.44	17.3	60.1	5.90	7.25
Mean		16.52	17.2	56.9	5.79	6.62