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Yields of the Field Experiments 1952

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52/CI/2 Sugar Beet - Krilium - Rothamsted and Woburn

Rothamsted Research

Rothamsted Research (1953) *52/CI/2 Sugar Beet - Krilium - Rothamsted and Woburn* ; Yields Of The Field Experiments 1952, pp 102 - 102 - DOI: <https://doi.org/10.23637/ERADOC-1-178>

52/Ci/2.

SUGAR BEET

Kriliium - Rothamsted, Great Harpenden II; Woburn, Butt Close, 1952.

System of replication: Rothamsted - 3 x 3 Latin square. Woburn - 3 randomized blocks of 3 plots each.

Area of each plot: 0.00083 acre.

Treatments:

Kriliium: None; 5 cwt per acre broadcast and harrowed into seed bed; 1 cwt per acre drilled in 3" band.

Basal manuring per acre: 2 cwt sulphate of potash; 4 cwt superphosphate; 3 cwt nitrate of soda; 5 cwt salt.

Cultivations, etc.:

Rothamsted. Ploughed: Oct 30, 1951. 2 cwt ground chalk per acre applied: Mar 4, 1952. Sulphate of potash and superphosphate drilled: Mar 15. Kriliium applied, seed drilled at 18 lb per acre: Mar 21. Nitrate of soda applied: Mar 26. Singled: May 17. Lifted: Jan 12, 1953. Variety: Klein E.

Woburn. Ploughed: Apr 5, 1952. Kriliium and basal fertilizers applied, seed drilled at 18 lb per acre: Apr 28. Singled: May 27. Lifted: Dec 10. Variety: Klein E.

Summary of Results

<u>Rothamsted</u>				<u>Woburn</u>			
Kriliium: cwt per acre				Kriliium: cwt per acre			
5	1			5	1		
None	Broadcast	Drilled	Mean	None	Broadcast	Drilled	Mean
Clean Beet: tons per acre							
16.11	17.84	15.95	16.63	12.07	15.39	15.37	14.28
Sugar Percentage							
16.35	16.16	16.07	16.19	15.83	16.47	15.95	16.08
Total Sugar: cwt per acre							
52.7	57.6	51.3	53.8	38.8	50.6	49.0	46.2
Tops: tons per acre							
8.93	9.91	9.11	9.32	12.14	14.46	16.61	14.40
Plant Number: thousands per acre							
30.0	28.0	28.8	28.9	29.6	31.6	31.6	30.9
Noxious Nitrogen: mg. per 100 g.							
15.0	15.0	18.3	16.1	28.3	28.3	28.3	28.3