

FIELD EXPERIMENTS 19 39

Crop: Sugar Beet

Field: D

Experiment:

Nitrogenous Manuring

Treatments & Layout:

6 Randomised Blocks.

3 cwts. N/S	} Split for early and late lifting.
3 cwts. N/C	
4 cwts. N/S	
4 cwts. N/C.	

Manuring with dates of:

Basal phosphate and potash - April 14th.

N manures sown - April 21st.

Date of drilling: 26/4/39 Variety: Klein E Seed Rate:

Date of Singling: June 5th

Date of Lifting: October 12th and December 15th.

Remarks (previous cropping, cultivations, etc.)

July 19th.

3 N/S appeared better than either 3 or 4 N/C.
Most top on 4 N/S.

August 1st.

Better growth on N/S than N/C, but more yellowing.

Early lifting	- all washed and weighed	} cannot compare E v L
Late lifting	- samples only washed	

Note Book No.

Sugar Beet 1938-43.

Box File (3)

Sugar Beet - Nitrogenous Manuring Trial 1939.

Field D.

Results.

	<u>Wt. Roots</u> <u>Tons/Acre</u>	<u>Sugar %</u>	<u>Sugar per</u> <u>Acre - cwts.</u>	<u>Tops - Tons per</u> <u>Acre.</u>
Nitrate of Soda	14.37	16.88	48.54	
Nitro-chalk	13.46	16.89	45.46	
3 cwts.	13.97	16.99	47.46	
4 cwts.	13.86	16.78	46.53	
Significant Diff.	0.40	0.31	1.45	

Conclusions.

Nitrate of Soda greater than Nitrochalk, for both weight of roots and sugar.

No other significant differences.