

Serial No.

✓ AI
ENS/0019

FIELD EXPERIMENTS 19 38.

Crop: Sugar Beet.

Field: H.

Experiment:

Nitrogenous Manuring & Lifting Trial.

Treatments & Layout:

Nitrate of Soda v Nitro - Chalk.

3 cwts * 4 cwts.

Lifted Nov. v Lifted Dec.

6 Randomised Blocks.

Manuring with dates of:

Normal farm Manuring for Phosphate & Potash.

Nitrogen applied 21/4/38.

Date of drilling: April 26th Variety: Klein E.

Seed Rate:

Date of Early Lifting:- Nov. 2nd and 3rd.

Date of Late Lifting:- Dec. 7th.

Remarks (previous cropping, cultivations, etc.)

Note Book No. Sugar Beet 1938 - 43.

Box File (3)

Sugar Beet - Nitrogenous Manuring and Lifting Trial 1938.

Field H.

Results.

	<u>Wt. of Roots</u> <u>Tons/acre.</u>	<u>Sugar</u> <u>%</u>	<u>Wt. Sugar</u> <u>Cwts/acre.</u>	<u>Wt. Tops</u> <u>Tons/acre.</u>
<u>(a) Early Liftings.</u>				
Nitro-chalk	7.5	16.9	25.3	9.0
Nitrate of Soda	8.4	16.8	28.2	10.0
3 cwts.	7.9	16.9	26.7	9.0
4 cwts.	8.0	16.8	26.8	9.9
Sig. Diff.	0.8	0.3	2.7	0.8
<u>(b) Late Liftings.</u>				
Nitro-chalk	7.5	16.2	24.3	8.4
Nitrate of Soda	8.4	16.4	27.6	9.1
3 cwts.	7.7	16.2	25.1	8.4
4 cwts.	8.2	16.3	26.7	9.1
Sig. Diff.	0.8	0.3	2.7	0.6
<u>(c) Liftings Combined.</u>				
Nitrochalk	7.5	16.6	24.8	8.7
Nitrate of Soda.	8.4	16.6	27.9	9.5
3 cwts.	7.8	16.6	25.9	8.7
4 cwts.	8.1	16.6	26.7	9.5
Sig. Diff.	0.5	0.2	1.7	0.5
<u>(d) Early & Late Lifting.</u>				
Early	7.9	16.9	26.7	9.5
Late	8.0	16.3	25.9	8.7
Sig. Diff.	0.3	0.2	1.3	0.3

Significant Differences.

(a) Wt. Roots.

Nitrate of Soda > Nitro-chalk
for all liftings.

(b) Sugar %.

Early Lifting > Late lifting.

(c) Sugar per acre.

Nitrate of Soda > Nitro-chalk
for all liftings.

(d) Wt. Tops.

Nitrate of Soda > Nitro-chalk
for all liftings.

4 cwts > 3 cwts at all liftings.

Early > Late .