

Serial No. **A7**  
**ENS/0613**

FIELD EXPERIMENTS 1939.

Crop: **Sugar Beet.** Field: **D.**

Experiment: **Periodic Lifting Trial.**

Treatments & Layout: **4 Randomised Blocks.**

**March, April & May Drillings.**  
**Marsters v Klein.**  
**Lifting at Monthly Intervals.**

Manuring with dates of:

Basal:- **3 cwt Super** }  
**2 " K<sub>2</sub>Salts** } on March 17th.

**3 cwt N/S Applied to each plot at time of drilling.**

Date of drilling: **March 20th** }  
**April 3rd** } Variety: **Klein E** } Seed Rate: **15 lbs.**  
**May 2nd.** } **Marsters.** }

Date of

Date of

Remarks (previous cropping, cultivations, etc.)

Note Book No. **Sugar Beet 1938 - 43.**

**Box file (1)**

Periodic Lifting Trial 1939 - Field D.

Results.

(a) Comparison of Varieties.

	<u>Wt. Roots Tons/acre.</u>	<u>Sugar %</u>	<u>Wt. Sugar cwts/acre.</u>
Klein E.	13.83	16.83.	46.50
Marsters.	12.43	17.45	43.38
Sig. Diff.	0.46	0.28	1.60

(b) Times of Drilling.

20th March.	13.41	17.39	46.52
3rd April.	13.98	17.25	48.08
2nd May.	12.01	16.77	40.22
Sig. Diff.	0.85	0.24	3.34.

(c) Times of Lifting.

Sept. 13th.	11.57	17.02	39.40
Oct. 11th.	12.71	17.46	45.42
Nov. 8th.	13.14	18.02	46.25
Dec. 6th.	14.25	16.98	48.37
Jan. 9th.	13.98	16.20	45.27
Sig. Diff.	0.60	0.25	2.13

Conclusions.

Wt. of Roots.

Klein E Greater than Marsters.  
1st & 2nd Drilling greater than 3rd drilling.  
2nd & 3rd liftings greater than 1st lifting.  
4th and 5th liftings greater than 1st, 2nd & 3rd liftings.

Sugar %.

Marsters greater than Klein E.  
1st and 2nd <sup>drilling</sup> lifting greater than 3rd drillings.  
3rd lifting greater than 2nd lifting greater than 1st lifting.  
4th lifting greater than 5th lifting.  
2nd " " " 4th "  
1st " " " 5th "

Wt. of Sugar.

Klein E. <sup>2</sup> greater than Marsters.  
1st and 2nd drillings greater than 3rd drilling  
4th lifting greater than 1st, 2nd and 5th lifting.  
2nd, 3rd and 5th greater than 1st lifting.