

Serial No. A4.
ENS/0612

FIELD EXPERIMENTS 19 40.

Crop: Sugar Beet.

Field: G.

Experiment: Periodic Lifting Trial.

Treatments & Layout:

4 Randomised Blocks.
April & May Drilling.
Marsters v Klein.
Lifted at Monthly intervals.

Manuring with dates of: 3 cwts Super.
 2 cwts M/P.
 3 cwts N/Soda at time of drilling.

 April 10th Klein E.
Date of drilling: May 8th. Variety: Marsters. Seed Rate: 15 lbs

Date of

Date of

Remarks (previous cropping, cultivations, etc.)

Note Book No. Sugar Beet. 1938 - 43.

Box file (1)

Sugar Beet - Periodic Lifting 1940.

Field G. - Results.

(a) <u>Comparison of Varieties.</u>	<u>Wt. Roots Tons/acre.</u>	<u>Sugar %</u>	<u>Wt. Sugar Cwts/acre.</u>
Klein E.	14.26	19.04	54.14
Marsters.	13.53	19.57	52.85
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Sig. Diff.	0.88	0.24	3.38
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(b) <u>Times of Drilling.</u>			
10th April.	14.37	19.38	55.58
8th May.	13.42	19.23	51.49
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Sig. Diff.	2.09	0.47	7.14
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(c) <u>Times of Lifting.</u>			
12th Sept.	11.69	19.33	45.10
10th Oct.	13.54	20.44	55.31
7th Nov.	14.31	19.53	55.89
5th Dec.	15.01	19.26	57.78
2nd Jan.	14.90	17.94	53.40
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Sig. Diff.	0.47	0.25	2.17

Conclusions.

Wt. of roots. - Klein E \rightarrow Marsters.

4th and 5th Lifting \rightarrow 3rd Lifting \rightarrow 2nd Lifting \rightarrow 1st Lifting

Sugar %. - Marsters \rightarrow Klein E.
 2nd Lifting \rightarrow all others.
 3rd " \rightarrow 4th & 5th lifting.
 1st & 4th Lifting \rightarrow 5th Lifting.

Wt. of Sugar. 4th Lifting \rightarrow 1st, 2nd, and 5th Lifting.
 3rd " \rightarrow 1st & 5th Lifting.
 2nd & 5th " \rightarrow 1st lifting.