

Serial No. **A2**  
**ENS/0102**

FIELD EXPERIMENTS 1938

Crop: Sugar Beet

Field:

Experiment:

Sugar Beet Spacing and Variety Trial.

BRANDON CREEK.

Treatments & Layout:

A.	Klein E v Marsters.				
B.	Spaced 15" x 10" =	41,800	plants per acre.		<i>actual</i> 37,200
	20" x 10" =	31,400	" " "		28,000
	25" x 10" =	25,100	" " "		23,500

Five Randomised Blocks with Split Plots.

Manuring with dates of:

As per Farm Crop.

Date of drilling: 6/4/38      Klein E Variety: Marsters      Seed Rate: ~~15-lbs.~~

Date of Bunching: 3/6/38.

Date of Singling: 10-13/6/38.

Remarks (previous cropping, cultivations, etc.)

Lifted 31st October - 2nd November.

Note Book No. Sugar Beet 1938 - 43.

Box file (4)

Sugar Beet Spacing and Variety Trial 1938.

Brandon Creek.

Results.

	Weight of Roots Tons/Acre.	Sugar %	Weight of Sugar Cwts./Acre	Wt. Ton Tons/Acre
Klein E	14.04	13.4	37.64	24.46
Marsters	11.74	13.9	32.80	18.51
Sig. Diff.	1.80	0.6	6.30	2.42
15" rows	14.03	14.0	39.39	23.77
20" rows	13.35	13.7	36.61	21.65
25" rows	11.29	13.2	29.65	19.04
	1.23	0.5	4.20	1.60

Conclusions.

Weight of Roots.

Klein E greater than Marsters in Wt. Roots.

15" and 20" rows greater than 25" rows in Wt. Roots.

Sugar %.

15" rows greater than 25" rows @ 1%.

20" rows greater than 25" rows @ 5%.

Weight of Sugar.

15" and 20" rows greater than 25" rows.

Weight of Tops.

Klein E greater than Marsters.

15" rows greater than 20" rows greater than 25" rows.