

ENS/0611

SERIAL No. A7 ✓

FIELD EXPERIMENTS 19 37.

Crop: Sugar Beet. Field: J.

Experiment: Periodic Lifting Trial.

Treatments: 4. Randomised Blocks.
a) Liftings at 14 day intervals from 14th September to 4th January.
b) early v late lifting.
c) Klein E. v Marsters

Manuring with dates of:

Date of drilling: 14th April Klein E.)
14th May Variety: Marsters) Seed 15 lbs.

Date of germination count:

Date of harvesting:

Remarks. (previous cropping, cultivations, etc.)

Note Book No. W.9.

File No.

S.B. 1936

Box file ①

Sugar Beet 1937.

Field J.

Periodic Lifting.

Plant Populations.

	<u>Early Marsters</u>	<u>Late Marsters</u>	<u>Early Klein</u>	<u>Late Klein</u>	<u>Mean.</u>
14th Sept.	21,600	18,320	25,920.	21,430.	21,820.
28th "	24,190	19,180	25,750.	23,330.	23,110.
12th Oct.,	26,440	20,910	29,200	25,400.	25,490.
26th "	22,290	21,430	26,780	25,570.	24,020.
9th Nov.	22,640	21,250	25,920	22,290	23,030.
23rd "	23,850	21,080	27,300	23,850.	24,020.
7th Dec.	24,710	19,350	25,920	24,360.	23,590.
21st "	24,020	20,740	27,650	24,540.	24,240.
4th Jan.	25,400	21,250	26,440	23,850.	24,240.
Mean	23,900	20,390	26,760	23,850	-.

<u>Sugar %</u>					
14th Sept.	17.18	15.28	17.03	15.33	16.2
28th "	18.10	16.90	17.18	16.20	17.1.
12th October.	18.73	17.75	18.20	17.05	17.9
26th "	18.95	18.43	18.58	17.90	18.5
9th November	18.55	17.65	17.80	16.88	17.7
23rd "	18.23	17.38	17.45	16.58	17.4
7th December	18.45	17.45	17.80	16.50	17.6
21st "	17.18	16.58	17.00	16.15.	16.7
4th Jan.	17.48	16.78	16.95	16.43	16.9
Mean.	18.10	17.10	17.60	16.60.	17.33

17.6

17.1

Sig. Diff. = 0.197%

sig. diff. =
0.3133%

Mean Early - 17.85
Mean Late - 16.85 } Sig. Diff. = 0.197.

Yield of Washed Beet - Tons/acre.

	<u>Early Marsters</u>	<u>Late Marsters</u>	<u>Early Klein</u>	<u>Late Klein</u>	<u>Mean.</u>	<u>Sig. Diff.</u>
14th Sept.	10.88	8.18	12.81	9.03	10.22	} 0.79 tons.
28th "	13.27	8.18	13.43	10.96	11.46	
12th Oct.,	13.97	10.03	13.97	10.65	12.15	
26th "	13.58	10.42	14.58	10.80	12.37	
9th Nov.,	14.74	11.81	16.36	12.19	13.77	
23rd Nov.	13.81	11.50	16.82	10.88	13.25	
7th Dec.,	15.43	10.34	16.13	11.65	13.39	
21st Dec.,	14.43	10.88	17.52	12.89	13.93	
4th Jan.	15.43	11.11	15.36	12.35	13.56	
Mean.	13.95	10.27	15.22	11.27	12.68	

Sig. diff - 0.66 tons.

Means Masters - 12.11 tons Klein - 13.24 tons } Sig. Diff. - 0.94
 Early - 14.58 tons Late - 10.77 " } tons.

Yield of Sugar - cwts per acre.

	<u>Early Marsters</u>	<u>Late Marsters</u>	<u>Early Klein</u>	<u>Late Klein</u>	<u>Mean.</u>	<u>Sig. Diff.</u>
14th Sept.	37.30.	25.02	43.58	27.72	33.41	} 0.93 cwts.
28th "	48.04	27.67	46.19	35.40	39.33	
12th Oct.	52.27	35.71	50.81	36.34	43.79	
26th "	51.44	38.49	54.15	39.09	45.80	
9th Nov.	54.46	41.61	58.24	41.13	48.86	
23rd Nov.	50.34	39.94	58.71	36.08	46.27	
7th Dec.	56.95	36.11	57.43	38.47	47.24	
21st Dec.	49.57	36.11	59.56	41.67	46.73	
4th Jan.	53.92	37.33	51.99	40.65	45.98	
Mean	50.48	35.33	53.41	37.40	44.15	

Sig. Diff. - 2.34 cwts.

Means. Marsters - 42.90 Klein - 45.41 } Sig. Diff. - 3.307 cwts.
 Early - 51.94 Late - 36.36 }