

Serial No. A7 ✓  
ENS/OGIS

FIELD EXPERIMENTS 19 41.

Crop: Sugar Beet.

Field: Hardy's 2 acres.

Experiment: Periodic Lifting Trial.

Treatments & Layout:

4 Randomised Blocks.  
April & May Drilling.  
Marsters & Klein.  
Lifted at 14 day intervals.

Manuring with dates of:

3 cwts Super.  
1 " M/P.  
3 " S/A at time of drilling.

Date of drilling: April 5th. Variety: Marsters.  
May 3rd. Klein. 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 1941.

Field Results.

| (a) <u>Comparison of Varieties.</u> | <u>Wt. Roots.</u><br><u>Tons/acre.</u> | <u>Sugar</u><br><u>%</u> | <u>Wt. Sugar</u><br><u>Cwts/acre.</u> |
|-------------------------------------|--|--------------------------|---------------------------------------|
| Klein E.                            | 15.0                                   | 17.6                     | 53.0                                  |
| Marsters.                           | 14.5                                   | 18.4                     | 53.3                                  |
| <hr/>                               |  |                          |                                       |
| Sig. Diff.                          | 0.64                                   | 0.26                     | 2.73                                  |
| <hr/>                               |  |                          |                                       |
| (b) <u>Times of Drilling.</u>       |  |                          |                                       |
| 5th April.                          | 14.5                                   | 18.0                     | 52.3                                  |
| 3rd May.                            | 15.0                                   | 18.0                     | 54.1                                  |
| <hr/>                               |  |                          |                                       |
| Sig. Diff.                          | 0.74                                   | 0.26                     | 2.38.                                 |
| <hr/>                               |  |                          |                                       |
| (c) <u>Times of Lifting.</u>        |  |                          |                                       |
| 11th Sept.                          | 12.88                                  | 16.3                     | 41.90                                 |
| 25th "                              | 13.17                                  | 16.6                     | 45.97                                 |
| 9th Oct.,                           | 14.11                                  | 16.9                     | 50.64                                 |
| 23rd "                              | 14.34                                  | 18.6                     | 53.52                                 |
| 6th Nov.,                           | 14.38                                  | 19.2                     | 55.13                                 |
| 20th "                              | 16.21                                  | 18.5                     | 59.94                                 |
| 18th Dec.                           | 16.64                                  | 18.2                     | 60.39                                 |
| 1st Jan.                            | 16.32                                  | 17.6                     | 57.44                                 |
| <hr/>                               |  |                          |                                       |
| Sig. Diff.                          | 0.71                                   | 0.73                     | 2.90                                  |

Conclusions.

Wt. of Roots. - 6th, 7th, and 8th Liftings } all others.  
3rd, 4th and 5th " } 1st and 2nd lifting.

Sugar %

Marsters } Klein E.  
4<sup>th</sup> 5th Lifting } 1st, 2nd, 3rd.  
6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> }  
4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> } 8<sup>th</sup>.