

ENS/0214

Serial No. A.3.

FIELD EXPERIMENTS 1953

Crop: Sugar Beet

Field: Rotation Field

Experiment: To compare the amount of bolting and yield obtained from two non-bolting strains Klein AA and Battles E 16, with the standard variety Klein E.

Treatments & Layout:

Randomised Block. 3 treatments and 5 replacements.

Treatments. 1. Klein E.
2. Klein AA.
3. Battles E 16.

Manuring with dates of:

8 cwts. NH No. 2 were applied to the seed-bed
(8% N: 8% P₂O₅: 8% K₂O)

Date of drilling 20th March 1953 Variety: 3 varieties as above Seed Rate: 8 lbs per acre

Date of Singling. 12th May, 1953.

Date of Harvest. 19th - 20th October, 1953.

Remarks (previous cropping, cultivations, etc.)

Cultivations etc. were same as those for S.D.C. in this year as the trial was next door to this Straw Disposal Trial.

Note Book No.

BOLTING TRIAL - SUMMARY OF RESULTS 1953

A. Bolting Figures:-

Variety	Percentage Bolters	
	A On 29th July 1953	B At Harvest (20th October 1953)
Klein E	4.98	8.26
Klein AA	0.34	0.63
E 16	1.37	4.64

B. Yield of the Three Varieties.

Variety	Weight of Clean Beet (including bolters) Tons per Acre
Klein E	14.00
Klein AA	11.78
E 16	13.79
Not Significant	-

C. Sugar %

Variety	Mean Sugar % of Non-Bolters	Sugar % of Bolters	Diff. caused by bolting
Klein E	17.5	16.7	- 0.8
Klein AA	17.8	15.7	- 2.1
E 16	17.2	16.5	- 0.7
Not Significant	-	-	-

D. Size of Beet.

Variety	Mean Weight of Non-Bolters (lbs)	Mean Weight of Bolters (lbs)
Klein E	1.24	0.98
Klein AA	0.98	1.81
E 16	1.09	1.19