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ENS/0601

FIELD EXPERIMENTS 1949.

Crop: Sugar Beet.

Field: White Woman Field.

Experiment:

Two-stage harvesting of sugar beet.

Treatments and Layouts:

Randomised block with split plots, 3 times - 2 main treatments -
5 subid. - 4 replications.

Main treatments:	1. Topped early October.	Split A.
	2. Topped early November	1. Topped
	3. Topped early December	2. Not Topped.

Sub: Split.	1. Lifted at time of topping.
	2. Lifted 7 days after topping
	3. Lifted 14 days after topping
	4. Lifted 21 days after topping
	5. Lifted 28 days after topping

Manuring with Dates of:

As for Farm Crop.

Harvest Plots:

2 rows @ 16" ~~wide~~ by 8 yards

Date of Drilling Variety: Klein E Seed rate:

Date of First October Lifting: October 10th

Date of First November Lifting: November 7th.

Date of First December Lifting: December 5th.

Remarks (previous cropping, cultivations, etc.)

This trial was carried out on a uniform ~~piece~~ of beet - plant
population c 26,000 per acre.

Note Book No.

Sugar Beet 1949 --

Box file (2)

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Sugar Beet.

White Woman Field

Two Stage Harvesting of Sugar Beet. 1949.

(mean of 3 months)

		Sugar %	Nox. N	K + Na	Nox. N/100 Sugar	K + Na/100 Sugar
1st week	T	15.42	43.1	4.09	280	26.5
	NT	15.68	40.5	3.88	258	24.7
2nd week	T	14.70	44.3	4.22	301	28.7
	NT	15.82	48.2	3.90	305	24.7
3rd week	T	14.78	51.6	4.06	349	27.5
	NT	15.69	55.6	4.33	354	27.6
4th week	T	14.35	34.9	4.42	243	30.8
	NT	15.24	41.0	4.56	269	29.9
5th week	T	13.92	35.8	3.93	257	28.2
	NT	15.23	42.8	3.87	281	25.4

Variations in Sugar %age on Topped and Not Topped Plots.

Lifting	October		November		December		Mean	
	T.	N.T.	T.	N.T.	T.	N.T.	T.	N.T.
1	15.7	16.8	15.4	15.6	15.1	15.1	15.37	15.8
2	14.8	16.4	14.8	15.8	14.3	14.8	14.60	15.7
3	14.8	16.0	14.4	15.1	14.5	15.0	14.54	15.4
4	14.3	15.4	14.6	15.2	14.0	15.2	14.30	15.2
5	14.0	15.7	13.9	15.5	13.9	14.8	13.94	15.3
Sig. Difference							0.32	0.32

Yield of Washed Beet
Tons per Acre

<u>Treatments</u>	
October	11.46
November	12.05
December	12.74
Significant Difference	0.89
Topped	11.78
Not Topped	12.38
Significant Difference	0.51