

FIELD EXPERIMENTS 1935

Crop: Mangolds

Field: I South

Experiment:

Row Width and Plant Population.

Treatments & Layout:

Rows 20" and 24" wide. Plant Populations of (15,000
(20,000 plants per acre.
(25,000

7 randomised blocks with split plots
each plot 1/12 acre of lowest

24" Plots	20" Plots
5 rows x 12 ^x	6 rows x 12 ^x

Manuring with dates of: -

- 12 loads of F.Y.M.
- 3 cwts. Nitrate of Soda
- 3 cwts. Superphosphate
- 1 1/4 cwts. Muriate of Potash

Applied 13th May.

~~Manuring with dates of~~

Date of drilling: 15th May

Variety: Camell's Red Intermediate.

Seed Rate: 8 lbs. per acre.

Date of

Date of Harvesting: October 30th and 31st, 1935.

Remarks (previous cropping, cultivations, etc.)

1934: Barley

Gyrotilled on 17th October, 1934.
 Ploughed in November and muck carted out early in February.
 Two heavy harrows.
 Cambridge Rolled
 Heavy Harrows
 Light harrows
 Flat Rolled

Seedbed dry and 'cobbly'.

Singed: June 21st.

Cutting out distances.

Note Book No.

W.3.

File 24.

	20" Rows	24" Rows
15,000	21"	17"
20,000	16"	13"
25,000	12"	10 1/2"

Mangold Plant Population Trial, 1935.

Harvest Yields.

Yield of Roots in Tons per Acre.

Plant Population	20" Rows	24" Rows	Mean
15,000 p/acre	24.38	25.79	25.08
20,000 p/acre	24.71	26.98	25.84
25,000 p/acre	25.34	26.26	25.08
MEAN	24.81	26.34	

S.E. = 0.437
tons/acre.

S. E. = 0.330 tons/acre.

Significant Difference

24" rows greater than 20" rows.

Average Dry Matter Percentages.

Approximately 50 cores per treatment.

Plant Population	20" rows	24" rows	Mean
15,000	9.01	9.84	9.42
20,000	9.81	9.71	9.76
25,000	9.44	9.89	9.66
Mean	9.42	9.81	

Yield of Dry Matter - Cwts/Acre.

Plant Population	20" rows	24" rows	Mean
15,000	43.94	50.75	47.34
20,000	48.48	52.29	50.38
25,000	47.84	51.94	49.89
Mean	46.75	51.66	49.20

Summary of Plant Populations.

Theoretical Population	20" rows	24" rows	Mean
15,000	15,189	15,795	15,492
20,000	20,154	19,376	19,765
25,000	23,960	22,365	23,112
Mean	19,768	19,145	

General Mean = 19,455