

FIELD EXPERIMENTS 1948.

Crop: Potatoes.

Field: Heater Piece.

Experiment: Time of Planting
Sett Spacing & Variety Trial.Treatments ~~to be used~~ All combinations of

March)		12")	Sett Spacings	(Arran Banner Majestic.
April)	Planting	16")		
May)		20")		

Layout and size of plots: The time of planting ~~2 replications~~ Split
for variety and spacing. Each plot 9 rows of 28" and 20' 6" in length.

REPLICATIONS, 36 plots in all. 12 at each planting.

Each block split into 3 main plots (times of planting)
Within these main plots setting distance & variety sub-plots were
completely randomised (i.e. not a double split plot design)

Manuring with dates of:

19th March	first manure	applied.	7 cwts/acre	S.S.M.
13th April	second	" "	10.3	lbs per plot.
7th May	third	" "		

Each seed bed was riddled up just prior to planting and the manure sown by hand on the baulks.

Date of drilling:	19th March	Arran Banner.	Seed Rate:
	13th April	Variety: Majestic.	
Date of	7th May		

Date of harvesting: Oct. 22nd using elevator digger.
Harvest plot 5 rows x 20 ft. Excepting end tubers which were dug by hand and
Remarks (previous cropping, cultivations, etc.) discarded.

Previous Crop - Sugar Beet mucked. No muck for the potatoes.

Between each plot was a 3 ft. 6 in. discard i.e. along the row.
The different spacing were marked by coloured strings on ~~the~~ pegged along the row.

No. of tubers per plot.	12" - 20
	16" - 15
	20" - 12

The crop was riddled a few days after harvesting with the mechanical riddle -
into 3 grades. Over 2 inch - ware.
~~REPRODUCTION~~ Through " " - over 1 1/4 - seed.
Through 1 1/4 Chats.

Note Book No. Potato note Book.
Written up Agriculture. May 1949.

File 23.

Potato Trials 1948.

Heater Piece.

Variety x Time of Planting & Spacing.

<u>Treatment.</u>	<u>Yield of Ware.</u> Tons/acre.	<u>Yield Seed.</u> Tons/acre.	<u>Total Yields</u> <u>and chits tons/</u> <u>per acre.</u>
Planting - March.	13.82	3.04	16.92.
April.	14.25	3.21.	17.52.
May.	12.36	2.92	15.34
Sig. diff:	Insig.	Insig.	0.46
Variety.			
Arran Banner.	13.45	3.08	16.58
Majestic	13.50	3.04	16.61
	Insig.	Insig.	Insig.
Spacing.			
12"	12.57.	3.75	16.39.
16"	13.55	3.11	16.72
20"	14.31	2.31	16.67
Sig. Diff.	0.95	0.50	Insig.

		<u>Ware</u> Tons/ acre.	<u>Seed</u> Tons/acre.	<u>Total</u> Tons/acre.
March.	Arran.	12.8.	3.3	16.1
	Majestic.	14.9	2.8	17.7
April.	Arran.	14.5	3.2	17.7
	Majestic.	14.0	3.2	17.3
May.	Arran.	13.1	2.7	15.9
	Majestic.	11.6	3.1	14.8