

FIELD EXPERIMENTS 19 54

Crop: Potatoes

Field: Park.

Experiment: N.P.K. Manuring on King Edward Potatoes.

Treatments &amp; Layout: 27 plot single replication. All combinations of the following treatments:-

1) Nitrogen as Sulphate of Ammonia

- at a) 3 cwt per acre.
- b)  $4\frac{1}{2}$  cwt per acre.
- c) 6 cwt per acre.

2) Phosphate (Super)

- at a) 4 cwt per acre.
- b) 6 cwt per acre.
- c) 8 cwt per acre.

3) Potash as 50% Muriate

- at a) 2 cwt per acre.
- b) 3 cwt per acre.
- c) 4 cwt per acre.

+ 3 control plots.

Plot Size:

Manuring with dates of:

No Dung applied.

Treatment artificials applied 7th April, 1954.

Date of Drilling: 8th April Variety: King Edward Seed Rate: -

Date of Harvest: 18th October.

Date of Riddling: 21st October.

Remarks (previous cropping, cultivations, etc.)

Previous cropping	1953	Spring Barley	(Farm Crop)
	1952	Sugar Beet	(Farm Crop)
	1951	Spring Barley	(Farm Crop)
	1950	Winter Wheat	(Farm Crop)

Riddle size 2" top  
 $1\frac{1}{4}$ " bottom

Note Book No. Potato Note Book.

Potato Manuring Trials 1954 - Summary

Park Field

King Edward.

Sulphate of Ammonia cwt per acre	Total Yield tons per acre Levels of Superphosphate cwt per acre			Yield of Ware tons per acre Levels of Superphosphate cwt per acre			Yield of Seed tons per acre Levels of Superphosphate cwt per acre			Nitrogen Mean Yields for:- Total Ware Seed					
	4	6	8	4	6	8	4	6	8	Total	Ware	Seed			
3	16.3	15.6	16.8	10.8	10.0	9.7	5.5	5.6	7.1	16.2	10.2	6.1			
4½	14.8	16.3	16.8	10.5	10.3	10.2	4.3	6.0	6.7	16.0	10.3	5.7			
6	14.9	16.5	16.0	9.8	10.9	9.7	5.0	5.6	6.2	15.8	10.1	5.6			
	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.				N.S.	N.S.	-			
Sulphate of Ammonia cwt per acre	Levels of Potash cwt per acre				Levels of Potash cwt per acre				Levels of Potash cwt per acre						
	2	3	4		2	3	4		2	3	4		2	3	4
3	15.9	16.1	16.7		9.5	10.4	10.5		6.4	5.7	6.2		6.5	4.9	5.6
4½	16.3	14.5	17.2		9.8	9.6	11.5		6.5	4.9	5.6		6.0	5.8	5.1
6	16.5	16.2	14.6		10.5	10.4	9.5		6.0	5.8	5.1		-	-	-
	N.S.	N.S.	N.S.		N.S.	N.S.	N.S.		-	-	-		-	-	-
Superphosphate cwt per acre	Potash				Potash				Potash						
	2	3	4		2	3	4		2	3	4		2	3	4
4	14.8	15.4	15.8		9.7	10.4	11.0		5.1	4.9	4.8		15.3	10.4	4.9
6	16.4	15.5	16.4		10.5	9.7	10.9		5.9	5.8	5.5		16.1	10.4	5.7
8	17.4	16.0	16.2		9.6	10.3	9.7		7.9	5.6	6.5		16.7	9.9	6.7
	N.S.	N.S.	N.S.		N.S.	N.S.	N.S.		-	-	-		N.S.	N.S.	-
Potash Mean Yields	16.2	15.6	16.2		9.9	10.1	10.5		6.3	5.5	5.6		N.S.	N.S.	N.S.
Control Plots	-	7.6	-		-	3.4	-		-	4.2	-		-	-	-
Coeff. of Variation	-	7.1% G.M.	-		-	7.3% G.M.	-		-	-	-		-	-	-

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