

FIELD EXPERIMENTS 19 59

Crop: Potatoes Field: 24 Acres

Experiment: Fertiliser Placement &amp; Seed Treatment Trial

Treatments &amp; Layout: 6 x 6 Latin Square

1. Fertiliser Broadcast. Chitted Seed.
2. Fertiliser Placed using 3 spouts. Chitted Seed.
3. Fertiliser Placed using 2 spouts. Chitted Seed.
4. Fertiliser Broadcast. Unchitted Seed.
5. Fertiliser Placed using 3 spouts. Unchitted Seed.
6. Fertiliser Placed using 2 spouts. Unchitted Seed.

Plot Size: Treatment:- 6 rows at 30" x 17 yards.  
 Harvest:- 4 rows x 16 yards

Manuring with dates of: 12 tons/acre of F.Y.M. ploughed in during autumn.  
 13½ cwts/acre of 10:10:15 as per treatment April 7th.

Date of drilling: April 7th Variety: King Edward Seed Rate: 15 cwt/acre.

Date of emergence scores: May 20th.

Date of harvest: October 22nd (Hoover elevator digger)

Date of riddling: November 25th

Remarks (previous cropping, cultivations, etc.)

1956	N.L.A.B. Brassicas & Barley.
1957	" Root trials
1958	Spring barley & linseed.

One blight spray.

Note Book No.

Potatoes Fertiliser Placement and Seed Treatment Trial

Emergence Scores

0 = none emerged  
10 = 100% emergence

Treatment		Score	Mean of seed treatment
Chitted	P. 2 spouts	7	7.3
	P. 3 spouts	5	
	Broadcast	10	
Unchitted	P. 2 spouts	1	2.3
	P. 3 spouts	0	
	Broadcast	6	

Yield data in tons/acre.

Treatment	Total Yield	Ware > 1½"	Seeds Chats and broken ware
Chitted	9.85	8.64	1.21
Unchitted	9.91	8.67	1.24
Broadcast	9.93	8.81	1.12
P. 2 spouts	10.00	8.70	1.30
P. 3 spouts	9.70	8.45	1.25
Chitted B.	9.91	8.76	1.15
Chitted P. 2.	9.99	8.76	1.23
Chitted P. 3.	9.64	8.39	1.25
Unchitted B.	9.95	8.86	1.09
Unchitted P. 2.	10.01	8.64	1.37
Unchitted P. 3.	9.76	8.51	1.25
Sig. Diff.	N.S	N.S	-
Standard error as % of general mean	7.0%	8.2%	-