

FIELD EXPERIMENTS 1962

Crop: Potatoes

Field Church Piece

Experiment: Periodic Lifting (top removal) trial

Treatments & Layout: Five treatments in four split blocks

<u>Time of top removal</u>	
1. 24th July	} Chitted seed
2. 3rd August	
3. 13th August	
4. 23rd August	
5. 28th August	
6. 24th July	} Unchitted seed
7. 3rd August	
8. 13th August	
9. 23rd August	
10. 28th August	

Plot size: Treatment 17 yards x 2 rows at 30"
Harvest 15 " x 2 rows at 30"

Manuring with dates of: 15 cwt per acre of 10:10:15 compound broadcast and worked into seedbed

Date of drilling: March 28th

Variety: King Edward

Seed rate: ;

Date of blight sprays: July 30th, August 10th, August 17th

Date of Harvest: September 25th Wild Bucher with hand pickers

Date of riddling: (2" and 1 1/8" riddles) October 25th and 26th

Remarks (previous cropping, cultivations, etc.)

Chitted seed from farm store, chitting commenced end Jan. Unchitted seed kept below 40 F. at Terrington until a few days before planting.

1961 Spring barley
1960 Sugar beet
1959 Spring barley

Note Book No.

Summary of ResultsTotal Yields in tons per acre

	Chitted	Unchitted	Means (Sig.diff. ^{1.33} 2.78)
24th July	7.3	4.5	5.9
3rd August	12.2	8.3	10.2
13th August	14.3	10.9	12.6
23rd August	15.9	14.2	15.1
28th August	17.9	14.2	16.0
Means 13.5 13.5 Sig.diff. 5.78	13.5	10.4	Interaction N.S.
Standard Error	10.8% of General Mean		

Yield of Ware over 1 $\frac{1}{2}$ " in tons per acre

	Chitted	Unchitted	Means (Sig.diff. 1.19)
24th July	5.7	1.8	3.8
3rd August	10.5	5.4	8.0
13th August	12.8	8.6	10.7
23rd August	14.7	11.9	13.3
28th August	16.4	12.1	14.2
Means 12.0 Sig.diff. 0.84	12.0	8.0	Interaction N.S.
Standard Error	11.5% of General Mean		

Yield of Ware over 2" in tons per acre

	Chitted	Unchitted	Means (Sig.diff. 0.97)
24th July	2.8	0.3	1.6
3rd August	6.5	1.5	4.0
13th August	8.9	3.8	6.4
23rd August	10.6	6.2	8.4
28th August	12.4	7.4	9.9
Means 8.2 Sig.diff. 1.00	8.2	3.8	
Standard Error	15.6% of General Mean		

Summary of ResultsWare over 1 $\frac{1}{2}$ " as a % of Total Yield

	Chitted	Unchitted	Mean
24th July	77	40	59
3rd August	86	66	77
13th August	90	79	85
23rd August	92	84	88
28th August	92	86	89
Means	88	72	

Angular Transformations in Degrees

	Chitted	Unchitted	Means (Sig.diff. 2.6) ***
24th July	61.4	39.3	50.4
3rd August	68.0	54.2	61.1
13th August	71.8	62.9	67.4
23rd August	73.6	66.2	69.9
28th August	73.4	67.6	70.5
Mean *** Sig.diff. 3.7	69.7	58.1	Interaction *** Sig.diff. 3.6