

FIELD EXPERIMENTS 1961.

Crop: Potatoes.

Field: White Woman.

Experiment: Blight spraying.

Treatments & Layout: 4 x 4 Latin square.

1. Tops removed just before 2nd. Spray.
2. Tops removed just before 3rd. Spray.
3. Tops removed just before 4th. Spray.
4. Tops left till final burning off.

Plot Size: Treatment; 3 rows x 20 yards. Two rows discard each side.

Harvest; 2 rows x 20 yards.

Manuring with dates of:

F.Y.M. in autumn ploughed in.

15 cwt 10:10:15 broadcast, and rotavated into seedbed before planting.

Date of drilling: 21st. March. Variety: King Edward. Seed Rate: 120 tubers/plot

Date of Blight sprays July 20th. August 11th. August 14th. August 26th.

Date of topping plots treat 1. August 11th.

" 2 August 14th.

" 3. August 26th.

" 4. August 31st.

Date of Burning off with H₂SO₄ September 6th.

Date of harvesting September 21st.

Date of weighing up total tubers September 25th.

Date of riddling 1 $\frac{3}{8}$ riddle size October 25th.

Previous cropping; 1958 S-beet
 1959 Barley
 1960 Barley

Treatment	Total yield Tons/acre	Ware yield Tons/acre	Seed & Chats as % age.Total
Tops removed before 2nd spray	17.1	12.33	28.1
" " " 3rd "	17.7	12.28	30.5
" " " 4th "	19.7	13.59	31.0
Tops left till burnt off.	20.7	15.32	26.1
Sig.dif.	1.15 1.15	1.38 1.38	N.S.
S.E. as % age.G.M.	3.54%	5.98 %	7.46%

POTATO BLIGHT SPRAYING TRIAL

