

ENS/0311  
Serial No. A4

FIELD EXPERIMENTS 19 59

Crop: Sugar Beet

Field: Hills

Experiment: Virus Yellows control trial

Treatments & Layout: 4 x 4 Latin Square.

Treatments:-

1. Unsprayed.
2. Sprayed early with "Metasystox" on May 27th
3. Sprayed late with " " on June 15th
4. Sprayed on May 27th and on June 15th.

Plot Size: Treatment: 36 rows @ 20" x 30 yards

Harvest: 8 random 10 yard lengths of row per plot.

Manuring with dates of: 2 tons per acre lime and 5 cwt per acre kainit, autumn 1958.

10 cwts per acre 9:6:15 compound on the seedbed.

Date of drilling: April 7th '59 Variety: Sharpes Klein E Seed Rate: 8-10 lbs per acre  
Trial area marked out on May 26th 8-10/64ths r & g.  
Date of aphid counts: June 3rd, 15th. g.s. seed

Date of harvest: November 11th.

Remarks (previous cropping, cultivations, etc.)

1958 Spring Barley

1957 Winter Wheat

1956 Vining Peas

Note: Rate of application of "Metasystox" = 12 fl.oz. in 40 gals water  
per acre.  
Note Book No.

Results 1959

Treatment	Yield of clean roots (tons/acre.)	Sugar %	Yield of Sugar cwts/acre	Sugar as %
1 Unsprayed	14.4	17.5	50.4	100
2 Sprayed May 27th	15.5	17.5	54.3	108
3 Sprayed June 15th	15.2	17.5	53.2	106
4 Sprayed May 27th and June 15th	15.4	17.7	54.5	108
% S.E.	10.3	2.0	11.7	

No significant differences