

FIELD EXPERIMENTS 1949.Crop: **Linseed.**Field: **Lake Piece.**

Experiment: a) Time of Drilling.
 b) Row width.
 c) Seed rate High, ¹⁴Medium, Low.

Treatments & Layout: a) Mid-March 17/3/49. b) 4" row spacing. c) 75 lbs p.a.
 " April 13/4/49. 8" " spacing. 56 " "
 " May 12/5/49. 35 " "

Layout and size of plots: Factorial with split Plots - 2 replications.
 Main Treats - Time of drilling - split into 6 sub-plots for row width,
 x Seed rate. Sub plots 123' x 8'. Main plots 123' x 48'. Two discard,
 drill widths between main plots. No discard between sub-plots.

Manuring with dates of:

9 March/49. 3 cwt p.a. N.H. No.2. (9:7:4½)
 April 20th. 40 lbs p.a. 5% D.D.T.
 May 5th.

Date of drilling: See above. Variety: Royal. Seed Rate: ^{see} above

Date of Stem & boll counts:- August 10th / ^{10/10/49} Samples of 1 random
 foot length from each row in each plot excluding outside rows. i.e.
 Bedcut wide drilling 10 rows Narrow - 20 rows. Samples counted for No. stems
 and bolls per plant.

Remarks (previous cropping, cultivations, etc.)

Date of Harvesting:
 Aug. 29th. 1st Drilling.
 Sept. 8th. 2nd "
 9th. 3rd "

Remarks. 1948. Barley. Winter ploughed. Harrowed down in early
 March.

Summer months had very low rainfall. A very heavy storm on July 21st
 benefited the 3rd drilling. Little insect or disease damage. Some
 mech: damage due to dusting. Birds ruined one block of April Drilling.

Note Book No.

Linseed.

File 22.

LINSEED TIME OF DRILLING, ROW WIDTH, & SEED RATE TRIAL 1949

SUMMARY OF DIFFERENCES BETWEEN MEAN YIELDS PER TREATMENT.

Treatments involved.		Yield.	Odds in favour of difference being real.
		cwts./acre. %	
		@ 8.6% moisture	
Seed Rates.			
High.	75 lbs p.a.	9.6.	
Med.	56 lbs p.a.	10.0.	
Low.	35 lbs p.a.	9.2.	
Sig.	difference (p.705). 0.05)	0.64.	
Time of drilling.			
Mid.	March.	8.6.	
"	April.	9.0.	(1 block)
"	May.	13.7.	
		Insig.	
Spacing.			
	8" rows.	9.3	
	4" "	9.9	
	Sig. diff.	0.52.	

COMMENTS.

1) In the time of drilling comparison the bird damage on the one April block resulted in a very high field error, while the number of degrees of freedom was only 2. for error

2) Stem and boll Counts. (See Rothamsted Report in Linseed File).