

FIELD EXPERIMENTS 1962

Crop: Vining Peas Field: Oak Lodge

Experiment: Row width x seed rate

Treatments & Layout: 4 x 4 Latin Square 2 replications

1.	8" row width	14.6 stone/acre
2.	4" " "	14.6 " "
3.	8" " "	19.5 " "
4.	4" " "	19.5 " "

Plot Size:	Treatment	8" rows - 6' x 90'	Gap between plots = 18" Outside coulters to = 64" outside coulter
		4" rows - 5'8" x 90'	

Harvest 6'10" x 45' Effective plot width 82"Manuring with dates of: Basal dressing 5 cwt/acre @:12:24
applied end of February

Date of drilling: May 19th

Variety: Perfection

Seed rate:

Date of emergence counts: June 12th

Date of harvest: August 14th

Remarks (previous cropping, cultivations, etc.)

Only $1\frac{1}{2}$ of the latin squares were drilled.
The Summary shows figures obtained by working out the results as if 6 randomised blocks were drilled.
(Analysis of the single 4 x 4 latin square gave very similar means and levels of significance).

Vining Pea Row Width x Seed RateYield of Peas in cwts per acre

Row widths	Seed rates in stones per acre		Row width means	
	14.6	19.5		
8"	25.7	25.0	24.4	Sig. diff. 1.04
4"	24.9	27.6	26.2	
	(1.46)			
Seed rate means Sig. diff.	24.5	26.3	Interaction N.S.	
	1.04			

S.E. as % G.M. 4.70

Factor for conversion $\left(\frac{72}{82}\right) = 0.8780487$ Yield of Haulm and Peas in cwts per acre

Row widths	Seed rates in stones per acre		Row width means	
	14.6	19.5		
8"	286	285	285	
4"	284	293	289	
Seed rate means	285	290		

S.E. as % G.M. 2.0

Ratio of Haulm to Peas

Row widths	Seed rates in stones per acre	
	14.6	19.5
8"	11.1	10.4
4"	10.4 ✓	9.6