

Vining Peas Row width x Seed rateGermination counts

Treatment	Plants per foot of row	Inches apart in row	Attempted
A 8" x 1½"	8.90	1.55	1.50
B 8" x 2"	6.67	1.80	2.00
C 8" x 2½"	5.90	2.05	2.50
A 4" x 3"	4.74	2.55	3.00
B 4" x 4"	3.59	3.54	4.00
C 4" x 5"	3.12	3.85	5.00

Yield of Peas cwts per acre

Seed rate st./acre (spacing)	16 { 8" x 2½" 4" x 5"	20 { 8" x 2" 4" x 4"	26 { 8" x 1½" 4" x 3"	Row width means S.E. ± 1.228 Sig. diff. N.S.
Row width				
8"	50.7	52.9	59.7	54.4
4"	50.8	54.8	57.0	54.2
	Interaction S.E. ± 2.128 Sig. diff. 6.28			
Seed rate means S.E. ± 1.504 Sig. diff. 4.44	50.8	53.8	58.4	

S.E. as % G.M. 9.8

Weight hauls cwts per acre

Seed rate st./acre (spacing)	16 { 8" x 2½" 4" x 5"	20 { 8" x 2" 4" x 4"	26 { 8" x 1½" 4" x 3"	Row width means S.E. ± 2.959 Sig. diff. N.S.
Row width				
8"	244.7	255.2	275.0	258.3
4"	241.9	260.9	259.7	254.2
	Interaction S.E. ± 5.09 Sig. diff. 15.02			
Seed rate means S.E. ± 3.600 Sig. diff. 10.62	245.3	258.0	267.4	

S.E. as % G.M. 4.9

Tenderometer Readings

Seed rate st./acre (spacing)	16 (8" x 2½") (4" x 5")	20 (8" x 2") (4" x 4")	26 (8" x 1½") (4" x 3")	Row width means S.E. ± 0.732 Sig. diff. 2.2.
Row width				
8"	112	112	111	112
4"	116	114	119	116
	Interaction S.E. ± 1.5 Sig. diff. 3.84			
Seed rate means S.E. ± 0.897 Sig. diff. N.S.	114	113	115	

S.E. as % G.M. 2.7

Percentage Large Peas

Seed rate st./acre (spacing)	16 (8" x 2½") (4" x 5")	20 (8" x 2") (4" x 4")	26 (8" x 1½") (4" x 3")	Row width means S.E. ± 1.989 Sig. diff. N.S.
Row width				
8"	41.8	46.3	49.2	45.8
4"	41.4	46.1	54.8	47.4
	Interaction S.E. ± 3.44 Sig. diff. 10.15			
Seed rate means S.E. ± 2.436 Sig. diff. 7.19	41.6	46.2	52.0	

S.E. as % G.M. 18.1

Percentage of medium Peas

Seed rate st./acre (spacing)	16 (8" x 2½") (4" x 5")	20 (8" x 2") (4" x 4")	26 (8" x 1½") (4" x 3")	Row width means S.E. ± 1.602 Sig. diff. N.S.
Row Width				
8"	46.0	42.4	41.0	43.1
4"	47.1	45.0	36.5	42.2
	Interaction S.E. ± 2.78 Sig. diff. 8.20			
Seed rate means S.E. ± 1.963 Sig. diff. 5.79	46.6	42.7	38.8	

S.E. as % G.M. 15.9

Percentage of Small Peas

Seed rate st./acre (spacing)	16 (8" x 2½") (4" x 5")	20 (8" x 2") (4" x 4")	26 (8" x 1½") (4" x 3")	Row width means S.E. ± 0.545 Sig. diff. N.S.
Row width				
8"	12.2	11.5	9.9	11.1
4"	12.2	10.9	8.7	10.6
	Interaction S.E. ± 0.94 Sig. diff. 2.77			
Seed rate means S.E. ± 0.867 Sig. diff. 1.97	12.2	11.1	9.3	

S.E. as % G.M. 21.5

Statement of Returns

Row width	8"	4"
Seed rate	20.7 stones/acre	20.7 stones/acre
Gross return @ £56 (4" row plots) and £39 (8" row plots) per ton	£. s. d. 106. 2. 8.	£. s. d. 97. 11. 3.
Cost of seed @ £90 per ton	11. 12. 10.	11. 12. 10.
Net Return	94. 9. 10.	85. 18. 5.

Seed Rate	16 stone	20 stone	26 stone
Gross return @ £59 per ton	£. s. d. 99. 2. 2.	£. s. d. 104. 18. 2.	£. s. d. 113. 18. 6.
Cost of seed @ £90 per ton	9. 0. 0.	11. 5. 0.	14. 12. 6.
Net Return	90. 2. 2.	93. 13. 2.	99. 4. 0.