

NORFOLK AGRICULTURAL STATION

SPROWSTON

Vining Peas - Row Width x Seedrate Trials 1963 - 65

	1963	1964	1965
Seed Size: No. of peas per pound	2,266	1,778	1,739
Spacings aimed at	Wide 8" { 1.00" 1.5" 2.0"  Narrow 4" { 2.0" 3.0" 4.0"	Wide 8" { 1.5" 2.0" 2.5"  Narrow 4" { 3.0" 4.0" 5.0"	Wide 8" { 1.5" 2.0" 2.5"  Narrow 4" { 3.0" 4.0" 5.0"
Seedrates aimed at in stones per acre			
Very High	30.88	26.25	26.84
High	20.64	19.68	20.12
Normal	15.44	15.75	16.10
Actual average spacings from emergence counts	8" { 0.75" 1.14" 1.48"  4" { 1.43" 2.27" 2.96"	8" { 1.35" 1.80" 2.03"  4" { 2.53" 3.54" 3.85"	8" { 1.41" 2.00" 2.65"  4" { 2.52" 4.02" 4.93"
Dates of Emergence counts	14th May	30th April	25th May
Sowing date	23/24th April	10th April	6th May

The variety in all years was Perfection supplied by Bird's Eye, probably Dark Skin Perfection. The seed was dressed but the name of the dressing was not stated.

Confidential.

NORFOLK AGRICULTURAL STATION

VINING PEA ROW WIDTH x SEEDRATE TRIALS

1963 - 1965 Results

1963: Yield of Peas - cwt per acre

Row Width	Approx. Seedrate in stones per acre			Row Width means
	15 {8" x 2" 4" x 4"}	20 {8" x 1½" 4" x 3"}	30 {8" x 1" 4" x 2"}	
8"	24.0	27.9	27.6	26.5
4"	24.1	29.4	31.5	28.4
Seedrate means	24.0	28.7	29.5	
Margin per acre over seed costs	£39.11. 0.	£46. 3. 0.	£42. 2. 0.	

1964 : Yield of Peas - cwt per acre

Row Width	Approx. Seedrate in stones per acre			Row Width means
	15 {8" x 2½" 4" x 5"}	20 {8" x 2" 4" x 4"}	26 {8" x 1½" 4" x 3"}	
8"	50.7	52.9	59.7	54.4
4"	50.8	54.8	57.0	54.2
Seedrate means	50.8	53.8	58.4	
Margin per acre over seed costs	£90. 2. 2.	£93.13. 2.	£99. 4. 0.	

1965 : Yield of Peas - cwt per acre

Row Width	Approx. Seedrate in stones per acre			Row Width means
	16 {8" x 2½" 4" x 5"}	20 {8" x 2" 4" x 4"}	27 {8" x 1½" 4" x 3"}	
8"	37.4	36.8	39.8	38.0
4"	37.3	41.8	41.6	40.2
Seedrate means	37.4	39.3	40.7	
Margin per acre over seed costs	£85. 5. 6.	£87. 0. 9.	£85. 1. 3.	

The mean tenderometer readings were very similar on both 8 and 4 inch rows in 1963 and 1965. In 1964, on 4 inch rows the mean tenderometer reading was several points higher than on 8 inch rows. Seedrate appeared to have little effect on the tenderometer readings on the wider rows, whereas on 4 inch rows differences were recorded but were inconsistent.

NORFOLK AGRICULTURAL STATION

VINING BEA ROW WIDTH x SEEDRATE TRIALS

1963 - 1965 Results

1963 - Tenderometer Readings

Row Width	Approx. Seedrate in stones per acre			Row Width Means
	15	20	30	
8"	101	100	100	100
4"	98	99	102	99
Seedrate Means	98	100	101	

1964 - Tenderometer Readings

Row Width	Approx. Seedrate in stones per acre			Row Width Means
	16	20	26	
8"	112	112	111	112
4"	116	114	119	116
Seedrate Means	114	113	115	

1965 - Tenderometer Readings

Row Width	Approx. Seedrate in stones per acre			Row Width Means
	16	20	27	
8"	97	96	96	96
4"	98	97	95	97
Seedrate Means	96	96	96	