

FIELD EXPERIMENTS 1970

Serial No. D.7.

Stat. File 20 V

Field Ravens Grove

CROP: Winter Beans.
Variety: Maria Beaver

EXPERIMENT: Seedrate x P.K.

TREATMENTS AND LAYOUT: 4 Randomised blocks

1. Seedrate	Targets of	(i) 150
		(ii) 200
		(iii) 250 lbs/ac
2. P.K. Manuring		(i) 0
		(ii) 30
		(iii) 60 units/ac

Plot Size: Treatment: 80' x 150'

Harvest: $\frac{1}{56}$ acre

Manuring with dates of : P.K. as appropriate 10 Oct.

Date of Drilling: 11 Oct.	Seedrates achieved:	(i) 163 lbs/ac
		(ii) 205
		(iii) 258

Plant Counts: 12 Jan and 22 April
Combining: 27 August

Remark:
Previous cropping: 1969: W. Wheat
1968: W. Wheat
1967: Potatoes and Wheat

Plant Population in April (000/acre)

Seedrate (lbs)	Units of P.K.			Means (\pm 5.12)
	0	30	60	
		(\pm 8.86)		
163	91.2	91.2	98.0	93.5
205	137.5	118.4	115.7	123.9
258	170.2	128.0	155.2	151.1
Means (\pm 5.12)	132.9	112.5	123.0	

S.E. = 17.72 or 14.43%

Tiller Population in April (000/acre)

Seedrate (lbs)	Units of P.K.			Means (\pm 15.51)
	0	30	60	
		(\pm 26.87)		
163	213.7	209.6	216.4	213.3
205	306.3	273.6	285.9	288.6
258	427.4	284.5	355.3	355.7
Means (\pm 15.51)	315.8	255.9	285.9	

S.E. = 53.74 or 18.80%

Yield of Beans at 15% M.C.

Seedrate (lbs)	Units of P.K.			Means (\pm 0.52)
	0	30	60	
		(\pm 0.90)		
163	13.9	15.5	15.9	15.1
205	16.3	16.2	16.3	16.3
258	19.6	17.8	18.2	18.5
Means (\pm 0.52)	16.6	16.5	16.8	