NO FILE

Serial No.

FIELD EXPERIMENTS 1954

Crop: Spring Wheat Field: Church Meadow (South)

Experiment: P x N x B trial.

Treatments & Layout: 3 x 2 x 2 partially confounded factorial trial with 3 twice replications (6 sub-blocks).

All combinations of:-

Seed rate	S0	1½ bushels per acre.
	S1	2½ bushels per acre.
	S2	3½ bushels per acre.
Row-width	R0	4"
	R1	8"
Nitrogen	N0	3 cwt Nitro-chalk half on seedbed, half top-dressing.
	N1	6cwt Nitro-chalk half on seedbed, half top-dressing.

Plot Size:

Manuring with dates of:

25th February - 5 cwt Fisons 3/7 (19% P, 19% K).
11th March - Seedbed Nitro-chalk 3 or 1½ cwt per acre.
27th May - Top-dressing of Nitro-chalk 3 or 1½ cwt per acre.

Date of Drilling: 11th March Variety: Atle

Seed Rate:
S0 1.41 bushels/acre
S1 2.45 bushels/acre
S2 3.50 bushels/acre

Date of Top-dressing: 27th May, 1954.

Date of Harvest: 15th-16th September, 1954 (Combine)

Remarks (previous cropping, cultivations, etc.)

1953 Hybrid 46 Winter Wheat for seed.
1952 S.48 Timothy and S.215 Meadow Fescue for seed.
1951 S.48 Timothy and S.215 Meadow Fescue for seed.

Note Book No.

Spring Wheat N x P x S Trial 1952

Yield of Grain (corrected to 14% m.c.) Sacks per acre.

	S0	S1	S2	Mean	P0	P1
N0	14.4	16.5	16.7	15.6	15.3	15.8
N1	14.5	15.3	15.6	15.1	14.5	15.8
Mean	14.5	15.9	15.7	15.3	14.9	15.8
P0	14.1	15.3	15.2	14.9		
P1	14.8	16.5	16.1	15.8		

S0	14.5
S1	15.9
S2	15.7
Sig. Difference	0.8

P0	14.9
P1	15.8
Sig. Difference	0.7

Ear Counts (Ears per 18 sq. feet)

	S0	S1	S2	Mean	P0	P1
N0	750	912	958	873	865	922
N1	730	885	1,011	875	842	909
Mean	740	898	984	874	853	915
P0	689	856	956	833		
P1	791	942	1,013	915		

	Ears per 18 sq. ft.	Ears per sq. ft.
S0	740	41
S1	898	50
S2	984	55
Sig. Difference	49	2

	Ears per 18 sq. ft.	Ears per sq. ft.
P0	833	46
P1	915	51
Sig. Difference	40	2