

FIELD EXPERIMENTS 19 59

Crop: Spring Wheat

Field: Gravel Pit Piece

Experiment: Variety and Nitrogen Trial

Treatments & Layout: Randomised blocks:- 12 treatments with 3 replications.

Treatment No.	Variety	cwt/acre of N/C
1	Atle	0
2	"	2
3	"	4
4	"	6
5	Koga II	0
6	"	2
7	"	4
8	"	6
9	Svenno	0
10	"	2
11	"	4
12	"	6

All N.C. applied half on seedbed and half as top dressing.

~~Manuring with dates of:-~~

Plot Size: Treatment:- 60' x 7' 7".

Harvest:- 55' x 5' 3"

Manuring with dates of: Basal dressing 3 cwt/acre of 0:16:16 compound fertiliser
 Feb. 17th:- Seedbed dressings of N.C. on appropriate plots.
 May 7th:- Top dressings of N.C. on appropriate plots.

Date of drilling: 17th Feb. Variety: - Seed Rate: Atle 2.69
 Koga II 2.53
 Svenno 1.76
 Date of recording straw heights: July 23rd
 Date of harvest: August 15th

Remarks (previous cropping, cultivations, etc.)

1956 Potatoes
 1957 Winter Wheat
 1958 Sugar Beet

Note Book No.

Results of Spring Wheat Variety and Nitrogen Trial 1959

Ear Counts

ears per foot of row

N.C. in cwt/acre	Atle	Svenno	Koga II	Nitrogen Means
0	16.3	17.4	17.4	17.0
2	16.3	16.3	14.0	15.5
4	17.9	15.8	17.7	17.1
6	17.2	15.0	17.5	16.6
Variety Means	16.9	16.1	16.6	

Straw Heights

in inches

N.C. in cwt/acre	Atle	Svenno	Koga II	Nitrogen Means
0	37.0	38.7	37.3	37.7
2	37.7	39.7	38.3	38.6
4	36.7	39.0	39.0	38.2
6	37.0	39.7	39.3	38.7
Variety Means	37.0	39.3	38.5	

Yields of Grain

at 14% moisture in sacks/acre

N.C. in cwt/acre	Atle	Svenno	Koga II	Nitrogen Means
0	10.8	10.9	11.0	10.9
2	12.0	12.2	12.3	12.1
4	13.2	12.4	11.8	12.4
6	12.6	13.1	11.8	12.5
				Sig.Diff. 0.6
Variety Means	12.1	12.1	11.7	Interaction
N.S				N.S

S.E. as % of general mean 4.9

1,000 Grain Weights (gms)

N.C. in cwt/acre	Atle	Svenno	Koga II	Nitrogen Means
0	35.79	39.34	42.59	39.24
2	35.82	38.69	41.00	38.50
4	35.79	36.25	40.59	37.54
6	35.54	36.30	40.85	37.56
Variety Means	35.74	37.65	41.26	