

Table 2. Number of spikes/m², number of grains/spike and grain weight/spike(gm) as influenced by seeding rates and nitrogen fertilizer levels in the two seasons and their combined

Treatments	No. of spikes/m ²			No. of grains / spike			Grain weight / spike (gm)		
	2003/2004	2004/2005	Combined	2003/2004	2004/2005	Combined	2003/2004	2004/2005	Combined
Seeding rates(Kg /fad)									
50	155.17	147.25 b	151.21 b	59.17	57.50	58.33	2.985	2.817	2.901
65	157.50	163.25 a	160.38 a	59.50	56.33	57.92	3.027	2.946	2.986
80	158.33	160.5 a	159.42 a	58.50	57.25	57.88	2.963	2.919	2.941
F-test	N.S.	*	*	N.S.	N.S	N.S	N.S.	N.S.	N.S.
Nitrogen levels(Kg N/fad)									
40	124.25 c	129.67 c	126.96 c	56.17 c	53.50 c	54.83 c	2.821 c	2.687 c	2.754 c
60	164.25 b	156.75 b	160.50 b	59.42 b	57.25 b	58.33 b	2.991 b	2.880 b	2.935 b
80	182.50 a	184.58 a	183.54 a	61.58 a	60.33 a	60.96 a	3.163 a	3.116 a	3.140 a
F. test	**	**	**	**	**	**	**	**	**
Interactions									
SXN	N.S.	N.S.	N.S.	**	N.S	**	N.S.	N.S.	N.S.

A, b, c Means are bearing different letters in each column, differ significantly (P<0.05).

NS: Not significant, * P <0.05 , ** P <0.01

Table 3. 1000- grain weight(gm), grain yield (ton/fad.) and straw yield (ton/fad.) as influenced by seeding rates and nitrogen fertilizer levels in the two seasons and their combined

Treatments	1000 – Grain weight (gm)			Grain yield (ton / Fad.)			Straw yield (ton / Fad.)		
	2003/2004	2004/2005	Combined	2003/2004	2004/2005	Combined	2003/2004	2004/2005	Combined
Seeding rates: Kg /Fad									
50	57.150	57.49	57.32	0.842 b	0.645 c	0.743 c	1.823 c	1.727 c	1.775 c
65	57.65	57.00	57.33	0.965 a	0.794 b	0.879 b	2.053 b	1.878 b	1.966 b
80	57.09	57.57	57.33	1.035 a	0.928 a	0.982 a	2.139 a	2.075 a	2.107 a
F-test	N.S.	N.S.	N.S.	**	**	**	**	**	**
Nitrogen levels: Kg N/Fad									
40	55.85 c	56.34 c	56.10 c	0.835 c	0.654 c	0.744 c	1.872 b	1.699 b	1.785 b
60	57.16 b	57.14 b	57.15 b	0.995 b	0.822 b	0.908 b	2.063 a	1.951 a	2.007 a
80	58.88 a	58.58 a	58.73 a	1. 013 a	0.891 a	0.952 a	2.080 a	2.030 a	2.055 a
F. test	**	**	**	**	**	**	**	**	**
Interactions									
SXN	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	**	**

A, b, c Means are bearing different letters in each column, differ significantly (P<0.05).

NS: Not significant,

* P <0.05 ,

** P <0.01

Table 4. Biological yield (ton/fad.), harvest index and crop index as influenced by seeding rates and nitrogen Fertilizer levels in the two seasons and their combined

Treatments	Biological yield			Harvest index			Crop Index		
	2003/2004	2004/2005	Combined	2003/2004	2004/2005	Combined	2003/2004	2004/2005	Combined
Seeding rates(Kg /fad):									
50	2.665 c	2.371 c	2.518 c	0.315	0.270 c	0.293 b	0.461	0.371 b	0.416 b
65	3.018 b	2.672 b	2.845 b	0.319	0.296 b	0.307 ab	0.470	0.422 a	0.446 ab
80	3.174 a	3.003 a	3.088 a	0.326	0.308 a	0.317 a	0.484	0.448 a	0.466 a
F-test	**	**	**	NS	*	**	N.S	**	**
Nitrogen levels(Kg N/fad):									
40	2.707 b	2.353 c	2.530 c	0.308	0.276	0.292 b	0.445	0.384	0.415 b
60	3.058 a	2.773 b	2.915 b	0.324	0.294	0.309 ab	0.481	0.419	0.450 a
80	3.093 a	2.921 a	3.007 a	0.327	0.304	0.316 a	0.489	0.438	0.463 a
F. test	**	**	**	N.S	N.S	*	N.S	N.S	*
Interactions:									
SXN	*	**	**	N.S	N.S	N.S	N.S	N.S	N.S

A, b, c Means are bearing different letters in each column, differ significantly ($P < 0.05$).

NS: Not significant, * $P < 0.05$, ** $P < 0.01$

Table 8: Simple correlation coefficients between grain yield (ton/fad) and its components of wheat

Characters	1	2	3	4	5	6	7	8
Y-Grain yield (ton/fad)	0.513**	0.789**	0.757**	0.617**	0.716**	0.902**	0.791**	0.792**
1- No. of spikes/m²		0.281	0.199	0.296	0.389*	0.476**	0.408**	0.409**
2- No. of grains/spike			0.867**	0.586**	0.208	0.258	0.230	0.231
3- Weight of grains/spike				0.545**	0.237	0.238	0.095	0.095
4- 1000-grain weight					0.084	0.188	0.356*	0.366*
5- Straw yield (ton/fad.)						0.947**	0.144	0.145
6- Biological yield ton/fad.							0.453**	0.454**
7- Harvest index								0.999**
8- Crop index								---