

Table(4): Genotypes means over years , sowing dates and irrigation treatments.

Geno.,	Days to 50% heading					Plant height (cm)					No. of spikes/ plant					Spike length (cm)				
	SD ₁		SD ₂		Mean	SD ₁		SD ₂		Mean	SD ₁		SD ₂		Mean	SD ₁		SD ₂		Mean
	I ₁	I ₂	I ₁	I ₂		I ₁	I ₂	I ₁	I ₂		I ₁	I ₂	I ₁	I ₂		I ₁	I ₂	I ₁	I ₂	
H165	85.7	85.7	80.3	80.0	82.9	90.4	96.2	91.7	90.8	92.3	12.2	11.8	10.3	10.8	11.3	10.0	10.6	9.0	9.0	9.7
H349	91.0	90.5	85.2	85.2	87.9	86.4	82.7	87.9	88.4	86.4	6.3	6.7	5.7	5.6	6.1	16.1	15.4	14.7	13.4	14.9
H58	90.7	91.0	83.7	83.8	87.3	87.8	86.3	88.2	87.5	87.5	5.8	5.9	5.6	5.7	5.7	16.1	15.2	14.8	14.4	15.1
H109	90.7	90.2	83.2	83.0	86.8	88.2	88.7	93.1	91.1	90.3	8.8	9.0	7.0	7.0	7.9	15.9	15.3	14.2	14.6	15.0
H280	83.7	83.8	80.0	79.7	81.8	114.9	111.2	104.1	102.5	108.2	11.1	11.2	9.6	9.4	10.3	10.5	10.7	10.6	10.6	10.6
H100	85.6	86.2	81.5	82.2	83.9	103.2	102.8	98.3	96.6	100.2	9.7	10.3	8.8	8.9	9.4	10.4	10.8	10.2	10.3	10.4
F ₁₀ (129)	92.7	92.7	85.2	84.7	88.8	110.6	109.9	99.9	99.9	105.1	9.4	9.2	6.5	6.5	7.9	15.7	16.0	15.7	14.5	15.5
H198	81.3	81.5	77.3	77.0	79.3	100.3	97.9	87.2	90.8	94.1	7.2	7.3	5.9	5.9	6.6	14.7	14.6	13.7	12.9	14.0
Giza ₁₆₄	93.6	93.2	87.7	88.2	90.7	106.9	102.9	99.6	91.3	100.2	13.2	13.2	11.4	11.1	12.2	12.7	11.7	12.8	12.5	12.4
Giza ₁₆₈	91.3	91.8	85.8	86.0	88.8	84.5	85.3	88.8	87.2	86.5	13.5	13.4	11.2	11.0	12.3	12.7	12.7	13.9	13.6	13.2
Mean	88.6	88.7	82.9	82.9	85.8	97.3	96.4	93.9	92.6	95.1	9.7	9.8	8.2	8.2	9.0	13.5	13.3	13.0	12.6	13.1
L.S.D _{0.05}					0.31					1.78					0.24					0.33

Table(4): cont

Geno.,	1000-kernel weight (g)					Grain yield / feddan (ardab)					Protein %				
	SD ₁		SD ₂		Mean	SD ₁		SD ₂		Mean	SD ₁		SD ₂		Mean
	I ₁	I ₂	I ₁	I ₂		I ₁	I ₂	I ₁	I ₂		I ₁	I ₂	I ₁	I ₂	
H165	55.0	52.2	53.0	50.7	52.7	16.9	16.2	12.2	12.5	14.5	13.1	12.1	11.9	12.1	12.3
H349	50.9	45.1	48.7	43.6	47.1	12.4	11.2	10.9	10.4	11.2	14.4	11.0	14.4	9.5	12.3
H58	49.2	43.9	49.7	45.3	47.0	11.1	9.9	9.6	9.2	10.0	13.3	9.6	12.3	14.1	12.3
H109	49.9	46.1	47.4	47.0	47.6	16.8	14.4	14.2	12.9	14.6	14.7	11.1	12.1	14.1	13.0
H280	55.4	54.8	50.4	48.1	52.2	14.6	13.0	12.6	10.9	12.8	12.3	13.0	12.2	11.9	12.3
H100	51.6	49.9	43.0	41.1	46.4	10.6	10.9	9.8	10.0	10.3	11.7	11.3	11.0	12.8	11.7
F ₁₀ (129)	50.1	52.7	51.9	48.6	50.8	15.7	17.8	14.1	12.5	15.0	10.8	14.1	11.4	13.9	12.6
H198	51.3	50.7	48.8	47.2	49.5	11.2	11.7	10.3	8.9	10.5	11.9	12.3	10.8	12.1	11.8
Giza ₁₆₄	49.7	43.7	47.7	40.5	45.4	17.9	15.9	14.2	15.1	15.8	14.4	13.1	14.3	13.6	13.8
Giza ₁₆₈	43.1	39.5	44.2	37.0	41.0	17.4	16.9	15.7	14.3	16.1	11.6	11.3	10.9	10.9	11.1
Mean	50.6	47.9	48.5	44.9	48.0	14.5	13.8	12.4	11.7	13.1	12.8	11.9	12.1	12.5	12.3
L.S.D _{0.05}					0.98					0.52					0.09

Table(6): Mean (\bar{x}), Standard deviation (S^2d) and regression coefficient (b_i) of ten wheat genotypes for studied traits.

Gen	Days to 50% heading			Plant height (cm)			No. of spikes/ plant			Spike length (cm)			1000-kernel weight (g)			Grain yield / feddan(ardab)			Protein %		
	\bar{X}	b_i	S^2d	\bar{X}	b_i	S^2d	\bar{X}	b_i	S^2d	\bar{X}	b_i	S^2d	\bar{X}	b_i	S^2d	\bar{X}	b_i	S^2d	\bar{X}	b_i	S^2d
H165	82.92	1.06	0.15	92.3	1.01	5.15	11.3	1.13	0.03	9.7	0.99	-0.02	52.7	0.91	-2.08	14.44	1.75*	0.36	12.3	1.15	0.15**
H349	87.92	0.80*	0.70*	86.4	1.02	18.8	6.1	0.45	-0.10	14.9	1.82**	0.01	47.1	1.51	0.04	11.22	0.29*	0.33	12.3	1.43	5.77**
H58	87.29	1.20*	0.92**	87.5	0.90	-2.15	5.7	0.001**	-0.13	15.1	1.30	-0.15	47.0	0.84	4.35	9.94	0.30*	0.64	12.3	3.43*	1.84**
H109	86.71	1.22*	0.17	90.3	0.60	4.71	7.9	0.98	0.20	15.0	1.57*	0.16	47.6	0.59	-0.94	14.59	1.21	0.58	13.0	3.84**	0.22**
H280	81.79	0.70**	0.48	108.2	1.46	6.71	10.3	1.45	0.31	10.6	0.06**	-0.06	52.2	1.02	2.66	12.79	1.39	0.12	12.3	-0.59	0.16**
H100	83.88	0.74**	1.10**	100.2	1.18	-2.70	9.4	1.32	1.05**	10.4	0.66	-0.19	46.3	1.60	10.44*	10.30	0.39	-0.45	11.7	1.06	0.50**
F ₁₀₍₁₂₉₎	88.79	1.49**	0.58*	105.1	1.66*	-1.14	7.9	0.84	2.37**	15.5	1.29	-0.19	50.8	0.05**	3.38	15.00	1.27	1.73*	12.6	-2.06**	2.09**
H198	79.29	0.52**	1.38**	94.1	-0.08**	62.4**	6.6	0.35*	0.68**	14.0	1.70**	0.48	49.5	0.59	0.56	10.51	0.60	0.07	11.8	0.22	0.41**
Giza ₁₆₄	90.67	1.31**	2.93**	100.2	1.55*	4.0	12.2	1.63*	0.25	12.4	0.28**	0.22	45.4	1.45	3.86	15.79	1.34	0.47	13.8	0.91	0.22**
Giza ₁₆₈	88.71	0.95	0.07	86.5	0.70	4.7	12.2	1.86**	0.37	13.2	0.33**	0.28	41.0	1.44	5.51	16.08	1.45	0.92	11.1	0.62	0.29**
Mean	85.8			95.1			9.0			13.1			48.0			13.1			12.3		
L.S.D _{0.05}	0.31			1.78			0.24			0.33			0.98			0.52			0.09		
$r(\bar{X}, b_i)$		0.75**			0.61*			0.94**			0.65*			-0.56			0.87**			0.16	

* and ** are significant at 0.05 and 0.01 level of probability . r = Correlation

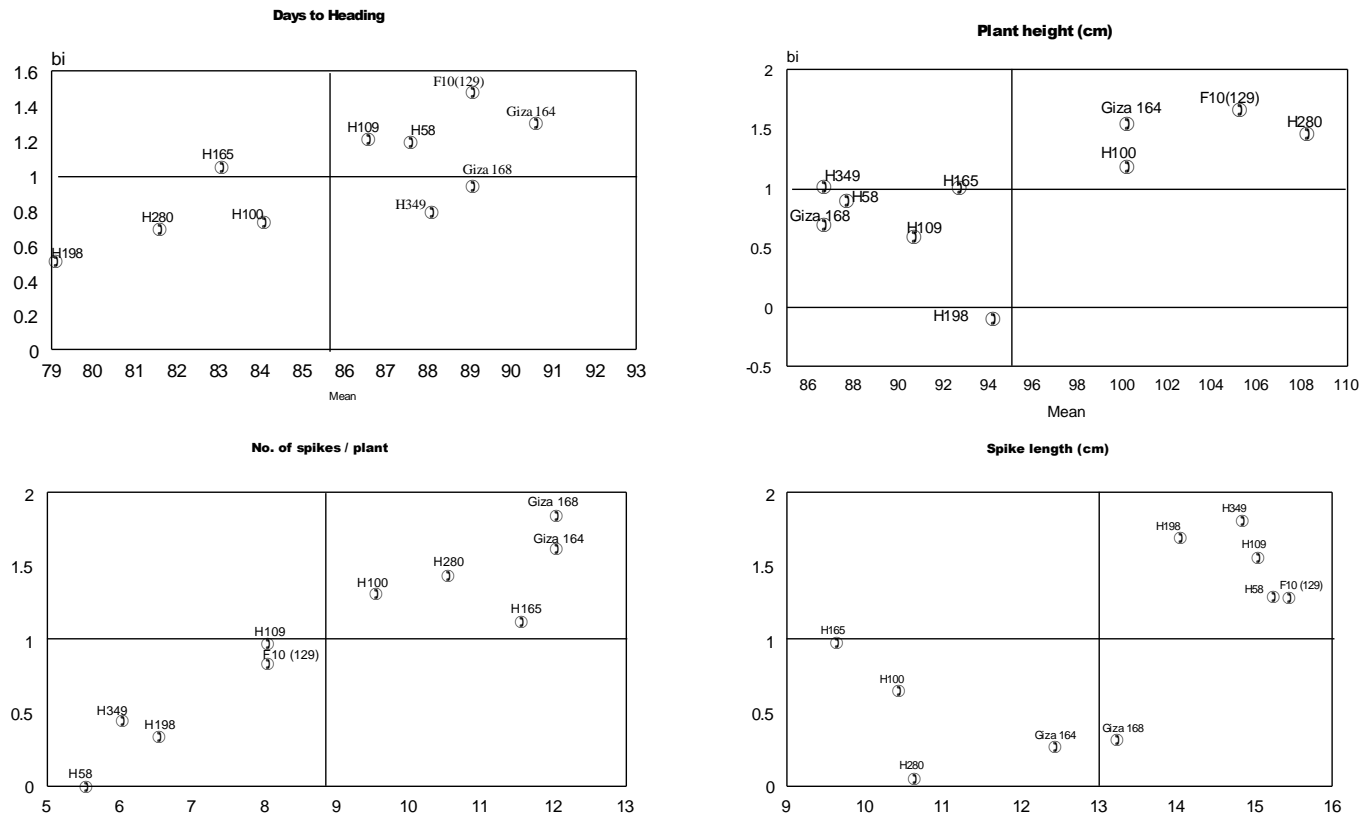
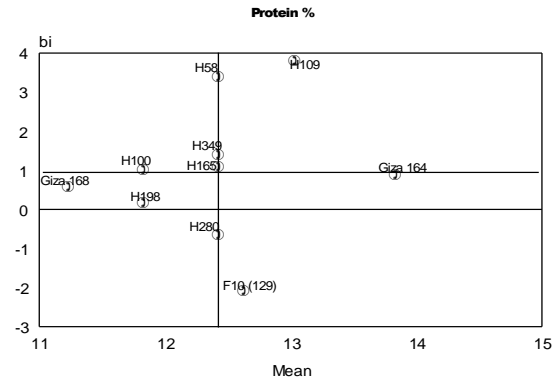
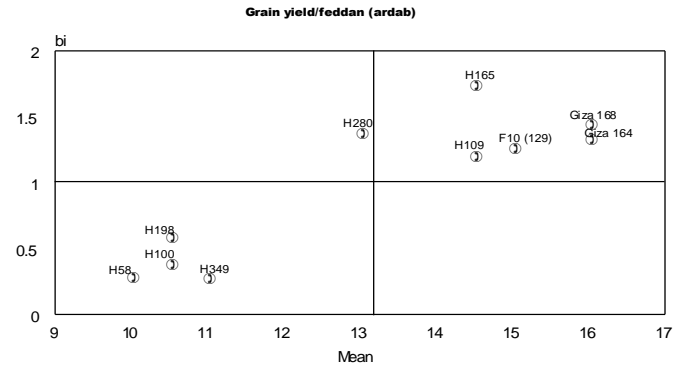
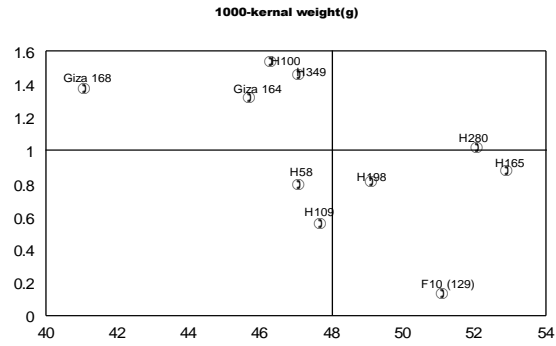


Fig (4): Graphical illustration of the stability parameter (bi) and the mean performance of individual genotypes of studied traits.



Cont Fig(4)