

Table(2): Means of plant height, number of leaves/plant, bulb diameter, bulb height and bulbing ratio for 13 garlic ecotypes grown in two successive seasons 2006/2007 and 2007/2008 under Sohag conditions.

Ecotypes number	Origin Originated	Plant height (cm)		Number of leaves/plant		Average cured bulb diameter (cm)		Average cured bulb height (cm)		Bulbing ratio	
		1 st Season	2 nd Season	1 st Season	2 nd Season	1 st Season	2 nd Season	1 st Season	2 nd Season	1 st Season	2 nd Season
1	Sids 40	58.80 b	58.67 c	11.13 ab	10.93abc	4.76a	5.12ab	3.06ab	3.43a	0.567 abc	0.568 abc
2	Gehena	82.27 a	81.67 a	10.27 cd	10.00 d	5.01a	5.01ab	2.75b	2.99ab	0.489 cd	0.490 cd
3	Tahrir	85.87 a	87.20 a	10.93abc	11.17ab	4.81a	5.05ab	2.76b	2.68b	0.523 abcd	0.523 abcd
4	Sohag	85.73 a	86.67 a	11.40 a	11.27ab	4.99a	5.14ab	2.90ab	2.86ab	0.527 abcd	0.527 abcd
5	Qena	89.33 a	88.67 a	11.07abc	10.93abc	5.27a	5.12ab	2.94ab	2.92ab	0.527 abcd	0.527 abcd
6	Elbehera	84.77 a	88.07 a	11.40 a	10.93abc	5.01a	5.18ab	2.80b	2.88ab	0.476 de	0.478 de
7	Elgharbia	91.27 a	90.43 a	11.27 ab	11.40a	4.97a	5.26ab	2.95ab	2.82b	0.508 abcd	0.510 abcd
8	Bani Swief	85.07 a	87.60 a	10.47bcd	10.47cd	4.93a	5.13ab	2.75b	2.88ab	0.583 a	0.585 a
9	El-Minia	83.67 a	83.13 a	10.13 d	10.70bc	4.82a	4.72b	2.83b	2.72b	0.578 ab	0.578 ab
10	Aswan	58.93 b	61.07 c	10.53bcd	10.80abc	5.26a	5.57a	3.30a	2.88ab	0.494 bcd	0.498 bcd
11	Assiut	84.00 a	84.67 a	10.67abcd	10.87abc	5.05a	5.00ab	2.82b	3.11ab	0.400 e	0.401 e
12	Elwady	81.28 a	82.07 a	11.13 ab	11.20ab	5.01a	5.03ab	2.98ab	2.76b	0.475 de	0.475 de
13	El-faiyum	81.93 a	71.67 b	11.00abc	11.07abc	5.13a	5.46ab	2.96ab	2.90ab	0.545 abcd	0.545 abcd

Means followed by the same letters are not significantly different from each other at 0.5% level.

Table(3): Means of plant fresh weight, number of cloves/bulb, weight of cloves/bulb, total soluble solids and total yield for 13 garlic ecotypes grown in two successive seasons 2006/2007 and 2007/2008 under Sohag conditions.

Ecotypes code	Name/location	Plant fresh weight (gm)		Number of cloves/bulb		Weight of cloves/bulb (gm)		Total soluble solids (T.S.S)		Total yield (ton/fed.)	
		1 st Season	2 nd Season	1 st Season	2 nd Season	1 st Season	2 nd Season	1 st Season	2 nd Season	1 st Season	2 nd Season
1	Sids 40	59.18a	59.36a	14.90d	15.00c	54.67a	52.43a	40.33ab	36.50abc	8.28a	8.31a
2	Gehena	41.09bc	42.01c	30.47c	30.47ab	31.80d	32.39c	34.50c	35.33c	5.75c	5.88e
3	Tahrir	49.87abc	51.06abc	35.60ab	36.33a	34.98d	36.89bc	38.00abc	39.50abc	6.97abc	7.14b
4	Sohag	48.57abc	46.51c	31.87bc	31.33ab	37.33d	38.02bc	39.50abc	38.33abc	6.77abc	6.51c
5	Qena	45.72abc	45.67c	32.87bc	33.20ab	35.93d	36.75bc	35.83bc	36.83abc	6.39bc	6.39cd
6	Elbehera	48.75abc	45.33c	30.13c	30.00ab	39.03cd	38.37bc	35.00bc	35.83bc	6.82abc	6.34cd
7	Elgharbia	48.15abc	48.00bc	32.67bc	32.67ab	37.73d	39.55abc	41.67a	40.90ab	6.73abc	6.72c
8	Bani Swief	45.08abc	46.78c	38.67a	35.67ab	40.00cd	40.67abc	36.67abc	36.50abc	7.63ab	6.54c
9	El-Minia	36.19c	41.93c	33.20bc	32.33ab	37.87d	32.72c	36.50abc	37.00abc	5.47c	5.90e
10	Aswan	51.51abc	46.69c	15.87d	15.20c	48.00ab	49.33ab	40.83ab	40.83a	6.87abc	6.53c
11	Assiut	42.60abc	42.85c	36.33ab	36.47a	32.67d	32.85c	36.50abc	36.17abc	5.96bc	5.99de
12	Elwady	43.00abc	43.16c	30.27c	28.80b	33.67d	34.32c	36.50abc	36.67abc	6.10bc	6.06de
13	El-faiyum	54.09ab	58.28ab	17.93d	17.33c	46.00bc	45.56abc	38.00abc	38.33abc	6.69abc	7.42b

Means followed by the same letters are not significantly different from each other at 0.5% level.

Table(5): Plant samples used for OYDV indexing by visual symptoms and DAS-ELISA on garlic ecotypes

Ecotypes code	Name/location	Number of Cultivated Plants	Number of infected plants detected by		ELISA-values at 405 nm	Degree of symptoms
			Visual symptoms	DAS-ELISA		
1	Sids 40	14	7	9	0.448	Medium
2	Gehena	14	5	5	0.425	Medium
3	Tahrir	10	7	9	0.751	Heavy
4	Sohag	15	11	12	0.476	Medium
5	Qena	12	3	6	0.482	Medium
6	Elbehera	12	8	8	0.215	Light
7	Elgharbia	11	4	6	0.738	Heavy
8	Bani- Swief	12	6	8	0.727	Heavy
9	El-Minia	12	7	10	0.783	Heavy
10	Aswan	14	5	7	0.463	Medium
11	Assiut	15	8	10	0.765	Heavy
12	Elwady	15	9	10	0.207	Light
13	El-Faiyum	14	8	12	0.231	Light