

Table (1): Mean emergence percentage and final plant stand % of Giza 6 cv grown on different dates using 3 set sizes during 2006 and 2007 seasons.

Planting Date	Set size	Emergence(%*)		Final plant stand (%*)	
		2005-2006	2006-2007	2005-2006	2006-2007
Aug., 15 th	1 cm	79.9 (63.4) d	78.6 (62.5) e	58.9 (50.1) c	61.2 (51.5) e
	2 cm	84.3 (66.8) c	81.9 (64.8) de	66.2 (54.5) bc	69.3 (56.4) cd
	3 cm	90.9 (72.6) ab	85.4 (67.7) cd	69.9 (56.7) b	77.9 (62.0) b
	Mean	85.0 (67.6) B	82.0 (65.0) B	65.0 (53.7) B	67.5 (50.5) B
Aug., 30 th	1 cm	75.5 (60.5) e	74.7 (63.3) e	58.4 (49.8) c	66.7 (54.8) de
	2 cm	87.9 (69.9) b	90.8 (72.3) ab	73.2 (58.8) ab	78.2 (62.2) b
	3 cm	93.5 (75.3) a	93.4 (75.2) a	76.8 (61.2) ab	83.9 (66.3) a
	Mean	85.7 (68.6) AB	88.0 (70.3) A	59.5 (65.5) AB	76.3 (60.2) A
Sep., 15 th	1 cm	82.4 (65.3) cd	82.8 (65.6) de	66.2 (54.5) bc	70.4 (57.0) bcd
	2 cm	89.4 (71.1) b	89.6 (71.2) bc	76.3 (60.9) ab	77.7 (61.8) bc
	3 cm	92.7 (74.6) a	93.7 (75.4) a	82.3 (65.1) a	84.4 (66.7) a
	Mean	88.2 (70.3) A	88.7 (70.7) A	75.0 (60.0) A	77.5 (61.7) A
Mean set Size	1 cm	79.4 (63.1) C	80.4 (63.8) C	61.2 (51.5) B	66.1 (54.4) C
	2 cm	87.2 (69.2) B	87.4 (69.4) B	71.9 (58.0) A	75.0 (60.0) B
	3 cm	92.4 (74.2) A	90.8 (72.8) A	76.3 (60.9) A	82.0 (65.0) A

* The data of emergence % and final plant stand % are original and the transformed are between arches.

Means followed by the same letter within the same column are not significantly different at P= 0.05

Table (2): Single center bulb %, Bolters % and external doubling % and of Giza 6 cv grown on different dates using 3 set sizes during 2005-2006 and 2006-2007 seasons.

Date of planting	Set size	Single center bulbs%*		Bolters%		External double bulbs%	
		2006	2007	2006	2007	2006	2007
Aug.,15 th	1 cm	58.72 (50.0)**d	61.9 (51.9)d	16.2 (23.4) a	18.5 (25.4)ab	28.4 (31.9) a	19.6 (26.2) a
	2 cm	66.2 (54.5)bcd	67.2 (55.1)bcd	12.1 (20.1) a	14.4 (22.2)cd	19.3 (25.9)ab	18.4 (25.4)ab
	3 cm	62.4 (52.1)cd	64.9 (53.7) cd	14.5 (26.1) a	20.8 (27.4)a	14.8 (22.1)bc	14.3 (22.0)a-d
	Mean	62.4 (52.2) B	64.6 (53.6) B	15.9 (23.2) A	17.8 (25.0) A	20.8 (26.6) A	17.4 (24.5) A
Aug.,30 th	1 cm	71.0 (57.4)ad	69.2 (56.3)bcd	11.8 (21.4) a	14.9 (22.7)bcd	17.1 (24.2)bc	15.8 (23.4) ad
	2 cm	74.4 (59.7)abc	72.3 (58.3) abc	10.3 (20.6) a	11.17 (19.5)d	15.3 (22.6)bc	16.5 (13.8) abc
	3 cm	79.5 (63.1) ab	76.1 (60.8)ab	12.8 (23.6) a	13.5 (21.4)cd	9.7 (18.0)bc	10.4 (18.8)cd
	Mean	75.0 (60.1) A	72.5 (58.5)A	11.6 (21.9) A	13.2 (21.2)B	14.0 (21.6) b	14.3 (22.0)A
Sep.15 th	1 cm	81.7 (64.7) a	79.3 (63.0) a	12.0 (20.1) a	12.5 (20.7)cd	6.3 (14.3) c	8.2 (16.5)d
	2 cm	77.9 (62.6)ab	75.0 (66.1)ab	13.7 (20.7) a	13.4 (21.3) cd	8.4 (16.4)bc	11.6 (19.8)bcd
	3 cm	72.8 (58.8)abc	73.4 (59.0)abc	17.1 (24.0) a	16.2 (25.7) bc	10.1 (18.3)bc	10.3 (18.6) b
	Mean	77.4 (62.0)A	75.9 (50.7) A	14.3 (21.6)A	14.0 (21.9) B	8.3 (16.3)C	10.0 (18.3) B
Means set sizes	1 cm	70.5 (57.4) a	70.1 (57.1) a	13.3 (21.6) a	15.3 (22.9) a	17.3 (23.5) a	14.5 (22.0) a
	2 cm	72.8 (58.9) a	71.5 (57.8) a	12.1 (20.5) a	13.0 (21.0) b	14.3 (21.4) a	15.5 (23.0) a
	3 cm	71.6 (58.0) a	71.5 (57.8)a	16.5 (24.6) a	16.8 (24.2) a	11.5 (19.4) a	11.8 (19.8) a

Mean of each trait within each season for planting dates and seed set size or their interactions followed by the same letter or letters are not significantly different at the 0.05 level.

** Date Between archer are the transformed for percentages of single center, bolter and double bulbs.

Table (3):Bulb diameter and average bulb weight of Giza 6 cv grown on different dates using 3 set sizes during 2006 and 2007 seasons.

Character	Set size	2006				2007			
		Aug.,15 th	Aug.,30 th	Sep.,15 th	Mean	Aug.,15 th	Aug.,30 th	Aug.,30 th	Mean
Bulb diameter	1cm	6.17 abc	6.43 a	6.06 bc	6.22 A	5.88 a	5.73 a	5.83 a	5.82 A
	2cm	6.39 ab	6.19 abc	6.22 abc	6.27 A	5.69 a	5.79 a	5.79 a	5.76 A
	3cm	6.01 c	6.28 abc	6.35 abc	6.21 A	5.80 a	5.64 a	5.73 a	5.73 A
	mean	6.19 A	6.30 A	6.21 A		5.79 A	5.72 A	5.78 A	
Av. bulb weight	1cm	102.8 a	108.5 a	102.7 a	104.6 A	102.2 ab	111.8 a	102.4 ab	105.8 A
	2cm	107.7 a	102.8 a	100.9 a	103 A	98.5 ab	111.2 a	106.7 ab	105.5 A
	3cm	103.1 a	107.5 a	115.1 a	108.6 A	95.8 b	103.2 ab	107.5 ab	102.2 A
	Mean	104.5 A	106.2 A	106.2 A		99.0 B	108.7 A	105.6AB	

Means of each trait within each season for planting dates and seed set size or their interactions followed by the same letter or letters are not significantly different at the 0.05 level..

Table (4): Weight of single bulbs, bolting bulbs and double bulbs (ton/fed.) of Giza 6cv on different dates using seeds of 3 set sizes during 2005/2006 and 2006/2007 seasons.

Planting date	Set size	Weight of single bulbs (ton/fed)		Weight of bolting bulbs (ton/fed)		Weight of double bulbs (ton/fed)	
		2005/2006	2006/2007	2005/2006	2006/2007	2005/2006	2006/2007
August,15 th	1 cm	4.378 e	4.840 f	1.532 ab	1.892 a	2.372 ab	2.000 ab
	2cm	5.824 de	6.108 de	1.160 ab	1.520 a-d	2.268 ab	2.268 a
	3cm	4.440 e	5.400 ef	1.720 ab	1.972 a	1.228 bc	1.572 ab
	mean	4.877 B	5.448 B	1.468 A	1.796 A	1.956 A	1.948 A
August,30 th	1 cm	6.800 cd	7.008 cd	0.948 ab	1.308 bcd	2.332 ab	2.020 ab
	2cm	8.304 abc	8.220 a	1.252 ab	1.228 cd	2.708 a	2.628 a
	3cm	9.608 a	9.388 a	1.412 ab	1.652 abc	1.200 bc	1.520 ab
	mean	8.236 A	8.204 A	1.204 A	1.396 B	2.080 A	2.056 A
September,15 th	1 cm	6.252 d	6.468 de	0.772 b	0.972 d	0.692 c	1.012 b
	2cm	7.920 bc	7.760 bc	1.160 ab	1.212 cd	1.252 bc	1.760 ab
	3cm	8.920 ab	9.528 a	1.840 a	1.812 ab	1.800 abc	1.880 ab
	mean	7.696 A	9.918 A	1.256 A	1.332 B	1.248 B	1.552 A
Mean of seed set size	1 cm	5.806 B	6.104 C	1.084 B	1.392 B	1.800 A	1.676 A
	2cm	7.352 A	7.364 B	1.192 AB	1.320 B	2.076 A	2.216 A
	3cm	7.656 A	8.104 A	1.656 A	1.812 A	1.408 A	1.656 A

Means of each trait within each season for planting dates and seed set size or their interactions followed by the same letter or letters are not significantly different at the 0.05 level.