

Table (1): Number of new leaves produced by some date palm cultivars every two months intervals of 2001, 2002 and 2003 seasons.

Year		2001					2002					2003				
Months	Cvs	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M
February		1.60	1.60	1.80	1.60	1.65	2.00	1.60	1.80	1.60	1.75	1.80	1.70	1.80	1.60	1.73
April		4.40	4.60	4.70	4.30	4.50	4.80	5.00	4.80	4.60	4.80	4.20	4.40	4.60	4.60	4.45
June		5.10	5.10	5.50	5.00	5.18	5.10	4.90	5.10	4.90	5.00	5.00	5.30	5.50	4.80	5.15
August		4.90	5.10	5.10	4.70	4.95	5.30	4.70	5.30	4.30	4.90	4.60	5.00	5.10	4.50	4.80
October		3.80	4.00	4.20	3.80	3.95	4.00	3.80	4.50	3.30	3.90	4.20	4.30	4.20	3.60	4.08
December		1.80	2.10	2.10	1.80	1.95	2.00	2.30	2.40	1.80	2.13	2.10	2.10	2.30	1.60	2.03
Total		21.60	22.50	23.40	21.20	--	23.20	22.30	23.90	20.50	--	21.90	22.80	23.50	20.70	--
Means		3.60	3.75	3.90	3.53	--	3.87	3.72	3.98	3.42	--	3.65	3.80	3.92	3.45	--
L.S.D. 0.05		A:0.26 B:0.34 AB:0.75					A:0.28 B:0.37 AB:0.68					A:0.26 B:0.36 AB:0.71				
		A: cvs					B:date					AB:(cvs x date)				

Table (2): Leaf no. at different leaf ages of some date palm cultivars during 2001,2002 and 2003 seasons.

Year		2001					2002					2003				
Leaf ages	Cvs	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M
8 months		5.30	4.70	5.10	4.30	4.90	4.60	5.00	5.10	4.50	4.80	5.60	5.10	5.80	4.50	5.25
10 months		5.10	4.90	5.30	4.90	5.00	5.00	5.30	5.50	4.80	5.15	5.30	5.30	6.00	5.00	5.40
12 months		4.80	5.00	4.80	4.60	4.80	4.20	4.40	4.60	4.60	4.45	5.00	5.20	5.30	4.60	5.03
14 months		2.00	1.60	1.80	1.60	1.75	1.80	1.70	1.80	1.60	1.73	2.00	1.90	2.20	1.80	1.98
Mean		4.30	4.05	4.25	3.85	--	3.90	4.10	4.25	3.88	--	4.48	4.38	4.82	3.98	--
L.S.D. 0.05		A: N.S B: 0.58 AB:1.01					A: N.S B: 0.60 AB:1.06					A: 0.47 B: 0.64 AB: 1.08				
		A: cvs					B:leaf ages					AB:(cvs. x leaf ages)				

Table (3): Inflorescences no. produced at different leaf ages of some date palm cultivars during 2001,2002 and 2003 seasons.

Year	2001					2002					2003					
Leaf Cvs ages	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	
8 months	0.80	0.80	1.30	0.50	0.85	0.40	0.90	1.20	1.00	0.88	0.50	0.40	0.80	0.50	0.55	
10 months	3.20	3.40	4.10	3.40	3.53	2.80	4.00	4.80	3.60	3.80	3.00	2.60	3.80	3.30	3.18	
12 months	3.40	3.80	4.00	3.60	3.70	3.20	4.40	4.40	4.20	4.05	3.10	3.40	4.20	3.20	3.48	
14 months	0.80	0.80	1.10	0.70	1.05	1.00	1.10	1.00	1.00	1.03	1.20	1.20	1.40	0.60	1.10	
Mean	2.05	2.20	2.63	2.05	--	1.85	2.60	2.85	2.45	---	1.95	1.90	2.55	1.85	--	
L.S.D. 0.05	A:0.30		B:0.39		AB:0.66		A:0.35		B: 0.38		AB:0.64		A:0.28		B:0.43 AB:0.74	

A: cvs
B:leaf ages
AB:(cvs. x leaf ages)

Table (4): The percentage of leaves subtended by inflorescences in response to leaf ages of some date palm cultivars during 2001,2002 and 2003 seasons.

Year	2001					2002					2003					
Leaf Cvs ages	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	
8 months	15.09	17.02	24.53	11.62	17.07	8.69	18.00	23.53	22.22	18.33	8.93	7.84	13.79	11.11	10.42	
10 months	62.75	69.38	80.39	69.38	70.47	56.00	72.73	87.27	75.00	73.79	59.60	49.06	63.33	66.00	58.89	
12 months	70.83	76.00	83.33	78.26	77.11	76.19	100.0	95.65	91.30	91.01	62.00	65.38	79.24	69.57	69.18	
14 months	40.00	50.00	61.11	43.75	48.72	55.56	64.71	55.56	62.50	59.54	60.00	63.16	63.64	33.33	55.56	
Mean	47.17	53.10	62.34	50.75	--	47.44	63.41	67.06	63.14	--	43.50	43.38	53.13	46.48	--	
L.S.D. 0.05	A:4.08		B:5.52		AB:8.62		A:4.28		B:4.95		AB:8.22		A:3.96		B: 5.49 AB:9.10	

A: cvs
B:leaf ages
AB:(cvs. x leaf ages)

Table (5): The percentage of inflorescences per palm in response to different leaf ages of some date palm cultivars during 2001, 2002 and 2003 seasons

Year	2001					2002					2003					
Leaf Cvs ages	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M	
8 months	9.76	9.09	12.36	6.10	9.33	5.41	8.85	10.53	10.20	8.75	6.42	5.21	7.84	6.76	6.56	
10 months	39.02	38.64	38.97	41.46	39.52	37.84	38.46	42.11	36.73	38.79	38.46	34.22	40.25	41.89	38.71	
12 months	41.46	43.18	38.02	43.90	41.64	43.24	42.31	38.60	42.86	41.75	39.74	44.75	38.18	43.24	41.48	
14 months	9.76	9.09	10.46	8.54	9.46	13.51	10.58	8.77	10.20	10.77	15.38	15.80	13.73	8.11	13.25	
Mean	25.00	25.00	25.00	25.00	--	25.00	25.00	25.00	25.00	--	25.00	25.00	25.00	25.00	--	
L.S.D. 0.05	A:N.S.		B: 4.83		AB:8.03		A:N.S.		B:5.12		AB:8.39		A:N.S		B:6.71 AB:11.16	
	A: cvs					B: leaf ages					AB: (cvs. x leaf ages)					

Table (6): Biennial bearing index in response to the date palm cultivar and leaf age during 2002 and 2003 seasons.

Year	2002					2003									
Leaf Cvs ages	Zagh.	Haia.	Sewy	Amry	M	Zagh.	Haia.	Sewy	Amry	M					
8 months	33.33	33.33	6.67	33.33	26.67	11.11	38.46	20.00	33.33	25.85					
10 months	6.66	8.11	7.87	2.86	6.38	3.45	21.21	11.63	7.69	10.99					
12 months	3.03	7.30	4.76	7.69	5.69	1.59	12.82	2.33	13.5	7.56					
14 months	11.11	15.79	4.76	17.65	12.33	9.09	4.35	16.67	25.00	13.78					
Mean	13.53	16.13	6.02	15.38	--	6.31	19.33	12.65	19.88	--					
L.S.D. 0.05	A:5.38		B: 7.15		AB:11.88		A:6.83		B:8.35		AB:13.78				
	A: cvs					B: leaf ages					AB: (cvs. x leaf ages)				