

Table (2): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on fruit weight (g) of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	18.00	18.68	18.33	18.93	19.57	19.33	20.00	19.69	20.60	21.67	23.40	21.89
2 nd harvest (30/7)	18.53	18.80	20.80	19.38	23.53	24.33	25.30	24.55	23.23	24.23	24.01	23.84
3 rd harvest (14/8)	20.42	20.69	22.01	21.04	24.75	26.67	29.38	26.55	25.04	23.60	25.38	26.29
Mean	18.98	19.39	20.38		22.62	23.44	24.89		22.96	23.17	24.26	
2004 Season												
1 st harvest (20/7)	16.43	16.93	17.34	17.02	19.82	19.80	21.97	20.53	19.27	20.28	20.50	19.95
2 nd harvest (6/8)	19.35	19.75	19.87	19.66	23.85	24.99	26.41	25.08	23.31	24.92	25.42	24.83
3 rd harvest (20/8)	19.74	20.12	20.47	20.11	24.70	26.29	28.45	26.48	25.80	27.79	28.59	27.40
Mean	18.51	18.93	19.23		22.79	23.69	25.61		22.29	24.33	24.83	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 0.53	0.60	0.61	0.52	0.49	0.63
Harvest date	(B)	: 0.56	0.58	0.65	0.54	0.78	0.58
Interaction	(AxB)	: 0.91	1.00	1.06	0.89	0.86	1.07

Table (3): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on fruit volume (cc) of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	17.80	18.57	18.20	18.19	19.42	19.22	19.80	19.48	20.50	21.43	23.30	21.74
2 nd harvest (30/7)	18.40	18.67	20.67	19.25	23.04	24.20	25.07	24.10	23.00	24.13	23.87	23.67
3 rd harvest (14/8)	20.00	20.57	21.83	20.80	24.44	26.50	29.22	26.72	25.11	24.70	28.59	26.13
Mean	18.73	19.27	20.23		22.30	23.31	24.70		22.87	23.42	25.25	
2004 Season												
1 st harvest (20/7)	16.37	16.85	16.03	16.72	19.52	19.60	21.27	20.13	18.87	19.90	20.02	19.59
2 nd harvest (6/8)	18.63	19.10	18.67	18.89	23.40	24.33	25.93	24.55	23.18	24.65	24.30	24.04
3 rd harvest (20/8)	19.57	19.67	20.17	19.87	24.54	25.77	27.80	26.04	25.70	27.15	28.38	27.08
Mean	18.19	18.54	18.29		22.49	23.23	25.00		22.58	23.93	24.23	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 0.56	0.60	0.61	0.63	0.68	0.66
Harvest date	(B)	: 0.53	0.58	0.58	0.54	0.54	0.49
Interaction	(AxB)	: 0.97	1.00	1.06	0.99	1.09	1.07

Table (4): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on juice weight (%) of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	45.85	46.17	46.74	46.25	49.45	49.89	50.60	49.98	44.77	49.16	49.60	47.83
2 nd harvest (30/7)	48.30	49.50	49.76	49.19	49.60	50.00	51.42	50.34	49.86	49.90	50.25	50.00
3 rd harvest (14/8)	49.35	49.92	50.29	49.85	53.26	54.24	55.47	54.32	52.54	53.67	54.36	53.52
Mean	47.83	48.53	48.93		50.77	51.38	52.50		49.06	50.91	51.40	
2004 Season												
1 st harvest (20/7)	42.22	43.33	43.74	43.10	44.67	45.76	46.00	45.48	43.29	44.62	45.11	41.51
2 nd harvest (6/8)	44.43	46.50	46.93	45.95	47.37	47.87	50.60	48.61	48.17	49.59	50.87	49.54
3 rd harvest (20/8)	49.06	50.22	50.60	49.96	53.87	55.87	56.09	55.28	55.80	53.49	55.77	54.02
Mean	45.24	46.68	47.09		48.64	49.83	50.90		49.09	49.23	50.58	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 1.45	0.53	0.67	1.92	0.61	0.98
Harvest date	(B)	: 1.12	0.47	0.60	1.42	0.52	0.67
Interaction	(AxB)	: 2.22	1.00	1.45	2.51	1.29	1.70

Table(5): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on juice volume (cm³)/fruit of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	8.11	8.19	8.28	8.19	9.62	9.65	10.07	9.78	10.13	10.14	11.38	10.55
2 nd harvest (30/7)	9.40	9.67	10.69	9.89	11.63	12.07	13.47	12.39	11.20	12.03	12.00	11.91
3 rd harvest (14/8)	10.10	10.27	11.13	10.50	13.18	14.17	16.00	14.45	13.29	13.13	15.33	13.92
Mean	9.20	9.38	10.03		11.48	11.96	13.18		11.71	11.77	12.90	
2004 Season												
1 st harvest (20/7)	6.87	7.49	6.96	7.11	8.87	8.88	8.63	8.79	8.30	8.63	8.07	8.33
2 nd harvest (6/8)	8.24	8.20	8.65	8.36	11.45	11.43	11.83	11.57	11.32	11.81	11.43	11.52
3 rd harvest (20/8)	10.87	9.87	10.18	10.11	12.63	13.63	15.92	14.06	13.82	13.93	15.30	14.35
Mean	8.66	8.52	8.60		10.98	11.31	12.13		11.15	11.46	11.60	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 0.75	0.56	0.47	0.71	0.58	0.48
Harvest date	(B)	: 0.45	0.34	0.36	0.54	0.49	0.36
Interaction	(AxB)	: 1.30	0.86	0.73	1.33	0.96	0.84

Table(6): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on total soluble solids (%) in fruit juice of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	7.87	8.83	8.17	8.29	8.73	8.00	8.07	8.27	8.07	8.00	8.33	8.13
2 nd harvest (30/7)	8.60	7.87	8.13	8.20	8.74	8.07	8.40	8.40	8.23	8.93	8.93	8.70
3 rd harvest (14/8)	8.73	8.47	8.40	8.50	8.50	8.80	8.13	8.48	8.73	8.63	8.40	8.59
Mean	8.40	8.39	8.23		8.66	8.29	8.20		8.34	8.52	8.55	
2004 Season												
1 st harvest (20/7)	8.50	8.80	7.83	8.38	7.60	7.77	9.40	8.26	7.80	7.90	8.40	8.03
2 nd harvest (6/8)	8.43	8.00	8.97	8.47	8.93	8.13	9.30	8.79	8.57	8.60	8.97	8.71
3 rd harvest (20/8)	8.77	8.67	9.20	8.88	8.50	8.20	8.73	8.48	8.97	8.93	8.60	8.83
Mean	8.57	8.49	8.67		8.34	8.03	9.14		8.45	8.48	8.66	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 0.33	0.37	0.42	0.53	0.56	0.48
Harvest date	(B)	: 0.13	0.23	0.40	0.27	0.29	0.43
Interaction	(AxB)	: 0.57	0.64	0.78	0.71	0.62	0.82

Table(7): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on titratable acidity (%) of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	6.49	7.18	7.34	7.00	6.61	7.67	7.86	7.38	7.46	7.42	7.63	7.50
2 nd harvest (30/7)	7.38	7.30	7.40	7.36	7.12	7.51	7.65	7.43	7.64	7.17	7.33	7.38
3 rd harvest (14/8)	7.18	7.22	7.30	7.23	7.74	6.91	7.54	7.40	7.73	7.29	7.36	7.46
Mean	7.02	7.23	7.35		7.16	7.36	7.68		7.61	7.29	7.44	
2004 Season												
1 st harvest (20/7)	6.29	6.35	7.24	6.63	6.67	7.33	7.63	7.21	6.91	6.78	6.85	6.85
2 nd harvest (6/8)	7.28	7.30	7.40	7.33	7.52	7.87	7.97	7.79	7.13	7.17	7.77	7.36
3 rd harvest (20/8)	7.26	7.20	7.64	7.37	7.53	7.58	7.80	7.64	7.07	7.50	7.83	7.47
Mean	6.94	6.95	7.43		7.24	7.59	7.80		7.04	7.15	7.48	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 0.41	0.52	0.55	0.48	0.92	0.60
Harvest date	(B)	: 0.28	0.35	0.23	0.33	0.38	0.33
Interaction	(AxB)	: 0.63	0.93	0.63	0.70	1.01	0.80

Table(8): Effect of gibberellic acid (GA₃), Nitropine and Phosphorine application on total soluble solids/acid ratio in juice of Egyptian lime fruits picked at different harvest dates in 2003 and 2004 seasons.

Harvest Date (B)	Untreated trees (control)				Nitropine				Phosphorine			
	GA ₃ (ppm) (A)				GA ₃ (ppm) (A)				GA ₃ (ppm) (A)			
	0	5	10	Mean	0	5	10	Mean	0	5	10	Mean
2003 Season												
1 st harvest (15/7)	1.21	1.23	1.11	1.18	1.32	1.04	1.03	1.13	1.08	1.08	1.09	1.08
2 nd harvest (30/7)	1.16	1.08	1.10	1.11	1.23	1.07	1.10	1.13	1.08	1.25	1.22	1.18
3 rd harvest (14/8)	1.22	1.17	1.15	1.18	1.10	1.27	1.08	1.15	1.13	1.18	1.14	1.15
Mean	1.20	1.16	1.12		1.22	1.13	1.07		1.10	1.17	1.15	
2004 Season												
1 st harvest (20/7)	1.35	1.39	1.08	1.27	1.14	1.06	1.23	1.14	1.13	1.17	1.23	1.18
2 nd harvest (6/8)	1.16	1.10	1.21	1.16	1.19	1.03	1.17	1.13	1.20	1.20	1.15	1.18
3 rd harvest (20/8)	1.21	1.20	1.20	1.20	1.13	1.08	1.12	1.11	1.27	1.19	1.10	1.17
Mean	1.24	1.23	1.16		1.15	1.06	1.17		1.19	1.19	1.16	

New L.S.D, 0.05:

		2003 Season			2004 Season		
		Control	Nitropine	Phosphorine	Control	Nitropine	Phosphorine
GA ₃	(A)	: 0.17	0.08	0.06	0.12	0.10	0.07
Harvest date	(B)	: 0.06	0.05	0.03	0.06	0.08	0.03
Interaction	(AxB)	: 0.021	0.13	0.08	0.21	0.16	0.10