

Table (1): Effect of paclobutrazol treatments on flowering date, average number of panicles per tree and number of flowers per panicle of Langra mango cv. during 2003/2004 and 2004/2005, seasons.

Treatments	First season			Second Season		
	Date of flowering	No of panicle/tree	No of flowers per panicle	Date of flowering	No of panicle/tree	No of flowers per panicle
Control (untreated)	12 th March	43.3	324	17 th March	53.0	296
Drench at 2g/tree	11 th Feb	108.1	347	10 th Feb	112.4	349
Drench at 4g/tree	8 th Feb	147.0	398	8 th Feb	138.3	385
Drench at 6g/tree	10 th Feb	112.2	357	8 th Feb	122.0	350
Foliar sp. at 2g/tree	4 th March	93.0	331	8 th March	96.3	330
Foliar sp at 4g/tree	2 nd March	111.3	345	5 th March	108.1	336
Foliar sp at 6g/tree	3 rd March	96.1	330	9 th March	101.6	331
New LSD at 5%	-	6.74	7.05	-	10.14	7.61

Table (2): Effect of paclobutrazol treatments on perfect flowers, fruit set% and yield per tree of Langra mango cv. during 2003/2004 and 2004/2005 seasons.

Treatments	First season				Second Season			
	Perfect flower %	Fruit set %	Yield component		Perfect flower %	Fruit set %	Yield component	
			No fruit/tree	Fruit weight kg/tree			No fruit/tree	Fruit weight kg/tree
Control (untreated)	25.3	0.17	55.1	14.551	21.6	0.20	59.2	15.492
Drench at 2g/tree	31.1	0.37	128.4	46.134	28.9	0.37	129.1	46.243
Drench at 4g/tree	34.4	0.45	179.1	67.484	36.1	0.46	177.1	66.819
Drench at 6g/tree	31.9	0.39	139.2	49.137	29.1	0.40	140.0	49.21
Foliar sp. at 2g/tree	27.2	0.32	105.9	37.297	24.2	0.30	99.0	34.65
Foliar sp at 4g/tree	30.1	0.35	120.8	44.442	27.1	0.36	121.0	44.612
Foliar sp at 6g/tree	31.5	0.33	108.9	37.189	26.2	0.33	109.2	46.851
<i>New LSD at 5%</i>	3.06	0.09	11.4	6.03	3.14	0.07	10.87	7.22

Table (3): Effect of paclobutrazol treatments on some physical and chemical characteristics of Langra mango cv. during 2003/2004 and 2004/2005,seasons.

Treatments	First season							Second Season						
	Fruit W (g)	Fruit L (cm)	Fruit width (cm)	Seed w (g)	Pulp w (g)	TSS %	Acid %	Fruit W (g)	Fruit L (cm)	Fruit width (cm)	Seed w (g)	Pulp w (g)	TSS %	Acid %
Control (untreated)	261.7	10.7	8.0	57.53	196.3	15.3	0.29	264.1	11.1	8.0	58.10	198.1	15.1	0.30
Drench at 2g/tree	358.2	11.6	8.1	78.80	268.7	15.7	0.28	359.3	11.5	8.1	79.05	269.5	15.2	0.28
Drench at 4g/tree	377.3	13.8	8.7	83.01	287.0	16.3	0.26	376.8	12.9	8.7	82.87	282.6	16.0	0.27
Drench at 6g/tree	351.5	11.7	8.5	77.33	263.6	15.4	0.28	353.0	11.4	8.4	77.61	269.8	15.2	0.28
Foliar sp. at 2g/tree	350.0	11.1	8.1	77.04	262.5	15.6	0.28	352.2	11.3	8.1	77.41	264.2	15.4	0.28
Foliar sp at 4g/tree	368.7	12.6	8.5	81.11	276.5	15.7	0.26	367.9	11.8	8.2	80.93	275.9	15.3	0.27
Foliar sp at 6g/tree	347.1	11.4	8.3	76.36	260.4	15.4	0.28	341.5	11.5	8.2	75.13	256.1	15.3	0.28
<i>New LSD at 5%</i>	8.64	1.01	NS	4.77	8.71	1.01	NS	8.01	1.02	NS	4.24	10.12	NS	NS