Table 1 Effect of different concentrations of BAP and 2,4-D for callus developed from cotyledon of *C. moschata*

S. No.	Phytohormone		No. of Explants producing Callus	% resp.	Callus Index	Characteristics of Callus		
	BAP mg/L	2,4-D mg/L				Colour	Texture	Means Days to Callusing ± Std. Error
1	0.5	0.5	3	100	300	Light Brown	Granular	12 ±0.157
2	1	0.5	3	100	300	Yellow Brown	Compact	20 ±0.158
3	1.5	0.5	3	100	300	Brown	Granular	14 ±0.157
4	2	0.5	3	100	300	Light Brown	Granular	13 ±0.288
5	2.5	0.5	3	100	300	Whitish Yellow	Granular	16 ±1.176
6	3	0.5	3	100	300	Light Yellow	Granular	15 ±1.266
7	0.5	1	3	100	300	Yellow	Granular	18 ±0.120
8	1	1	3	100	200	Yellow Green	Compact	15 ±0.327
9	1.5	1	3	100	300	Yellow	Compact	11 ±0.175
10	2	1	2	67	133	Light Brown	Compact	18 ±0.233
11	2.5	1	1	33	33	Light Yellow	Granular	14 ±0.185
12	3	1	3	100	300	Green	Granular	10 ±0.281
13	0.5	1.5	2	100	300	Brown	Compact	11 ±0.134
14	1	1.5	3	100	200	Yellow Green	Compact	19 ±0.119
15	1.5	1.5	3	100	300	Whitish Yellow	Granular	09 ±0.101
16	2	1.5	3	100	300	Yellow	Granular	13 ±0.159
17	2.5	1.5	3	100	300	Yellow Brown	Granular	14 ±0.263
18	3	1.5	3	100	300	Yellow	Granular	20 ±0.135
19	0.5	2	3	100	300	Yellow	Compact	15 ±0.168
20	1	2	3	100	300	White	Granular	13 ±0.109
21	1.5	2	2	67	133	Light Yellow	Granular	17 ±0.104
22	2	2	3	100	300	Yellow Brown	Granular	15 ±0.139
23	2.5	2	3	100	200	Light Brown	Granular	21 ±0.177
24	3	2	2	67	300	Yellow	Granular	10 ±0.101
25	0.5	2.5	3	100	200	Whitish Yellow	Compact	15 ±0.145
26	1	2.5	1	33	33	Green	Granular	13 ±0.170
27	1.5	2.5	3	100	300	Light Yellow	Granular	17 ±0.177
28	2	2.5	1	33	33	Brown	Granular	16 ±0.181
29	2.5	2.5	3	100	200	Light Yellow	Compact	19 ±0.142
30	3	2.5	3	100	300	Light Yellow	Compact	16 ±0.147
31	0.5	3	3	100	300	Whitish Brown	Granular	13 ±0.197
32	1	3	3	100	300	Yellow	Granular	17 ±0.169
33	1.5	3	2	67	133	Light Yellow	Compact	14 ±0.116
34	2	3	3	100	300	Yellow	Granular	19 ±0.125
35	2.5	3	3	100	300	Yellow	Friable	15 ±0.128
36	3	3	2	67	133	Light Yellow	Compact	17 ±0.186
Significance							0.012	

All these values are sum means of three parallel replicates in which ± indicates standard error among the values, which differ significantly at $p \leq 0.05$. The optimum value of Duncan for days to callusing is significant of these results in terms of statistical analysis.