Table 2 Effect of different concentrations of BAP and 2,4-D for callus developed from leaf 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	Yellow	Granular	18 ±0.280
2	1	0.5	3	100	300	Greenish Brown	Compact	16 ±0.167
3	1.5	0.5	3	100	200	Light Yellow	Compact	15 ±0.110
4	2	0.5	1	33	33	Light Yellow	Granular	12 ±0.189
5	2.5	0.5	3	100	300	Yellow	Granular	19 ±0.169
6	3	0.5	3	100	300	Green	Granular	10 ±0.154
7	0.5	1	3	100	300	Yellow Brown	Compact	12 ±0.143
8	1	1	3	100	300	Yellow Green	Compact	11 ±0.180
9	1.5	1	2	67	133	Light Brown	Granular	17 ±0.177
10	2	1	3	100	300	Brown	Compact	20 ±0.141
11	2.5	1	2	67	133	Yellow Brown	Granular	13 ±0.190
12	3	1	1	33	33	Yellow Green	Compact	15 ±0.158
13	0.5	1.5	3	100	300	Light Yellow	Compact	12 ±0.139
14	1	1.5	3	100	300	Yellow	Granular	17 ±0.101
15	1.5	1.5	3	100	200	Yellow	Granular	11 ±0.168
16	2	1.5	3	100	300	Light Yellow	Granular	15 ±0.127
17	2.5	1.5	3	100	300	Whitish Yellow	Compact	11 ±0.130
18	3	1.5	2	67	133	Yellow Brown	Compact	13 ±0.216
19	0.5	2	3	100	300	Light Brown	Granular	12 ±0.153
20	1	2	3	100	300	Light Yellow	Granular	17 ±0.245
21	1.5	2	3	100	300	Brown	Granular	11 ±0.101
22	2	2	2	67	133	Light Yellow	Compact	13 ±0.117
23	2.5	2	3	100	300	Yellow	Compact	19 ±0.196
24	3	2	3	100	300	Light Brown	Granular	21 ±0.159
25	0.5	2.5	3	100	300	Yellow Brown	Granular	13 ±0.143
26	1	2.5	3	100	300	Yellow Green	Compact	12 ±0.178
27	1.5	2.5	3	100	300	Light Brown	Compact	14 ±0.180
28	2	2.5	3	100	200	Light Yellow	Granular	15 ±0.112
29	2.5	2.5	1	33	33	Light Yellow	Granular	16 ±0.107
30	3	2.5	3	100	300	Yellow	Granular	17 ±0.186
31	0.5	3	3	100	300	Yellow Brown	Granular	19 ±0.126
32	1	3	3	100	200	Light Yellow	Compact	13 ±0.146
33	1.5	3	3	100	300	Yellow	Compact	15 ±0.108
34	2	3	3	100	300	Light Yellow	Granular	12 ±0.103
35	2.5	3	3	100	300	Light Brown	Granular	18 ±0.111
36	3	3	3	100	300	Yellow Brown	Compact	12 ±0.158
Significance							0.038	

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.