

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

S. No.	Phytohormone		No. of Explants producing Callus	% resp.	Callus Index	Characteristics of Callus		Mean Days to Callusing $\pm$ Std. Error
	BAP mg/L	2,4-D mg/L				Colour	Texture	
1	0.5	0.5	2	67	133	Yellow Green	Compact	10 $\pm$ 0.147
2	1	0.5	2	67	133	Light Yellow	Granular	11 $\pm$ 0.161
3	1.5	0.5	1	33	33	Whitish Yellow	Granular	13 $\pm$ 0.105
4	2	0.5	3	100	300	Yellow	Granular	14 $\pm$ 0.100
5	2.5	0.5	3	100	300	Yellow Brown	Compact	18 $\pm$ 0.151
6	3	0.5	3	100	300	Light Yellow	Granular	12 $\pm$ 0.233
7	0.5	1	1	33	33	Orange Green	Granular	10 $\pm$ 0.366
8	1	1	3	100	300	Yellow Green	Granular	12 $\pm$ 0.122
9	1.5	1	2	67	133	Yellow	Compact	14 $\pm$ 0.126
10	2	1	3	100	300	Light Yellow	Granular	15 $\pm$ 0.140
11	2.5	1	1	33	33	Light Brown	Compact	15 $\pm$ 0.278
12	3	1	3	100	300	Yellow Brown	Granular	14 $\pm$ 0.120
13	0.5	1.5	3	100	300	Yellow Green	Compact	16 $\pm$ 0.284
14	1	1.5	1	33	33	Light Yellow	Granular	17 $\pm$ 0.117
15	1.5	1.5	2	67	133	Yellow	Compact	13 $\pm$ 0.182
16	2	1.5	1	33	33	Light Yellow	Compact	14 $\pm$ 0.264
17	2.5	1.5	3	100	300	Yellow Green	Granular	12 $\pm$ 0.188
18	3	1.5	3	100	300	Yellow Brown	Compact	14 $\pm$ 0.105
19	0.5	2	1	33	33	Light Brown	Compact	15 $\pm$ 0.161
20	1	2	2	67	66	Yellow	Compact	13 $\pm$ 0.113
21	1.5	2	1	33	33	Light Yellow	Granular	14 $\pm$ 0.149
22	2	2	3	100	300	Yellow Brown	Compact	12 $\pm$ 0.118
23	2.5	2	3	100	300	Whitish Yellow	Compact	17 $\pm$ 0.200
24	3	2	3	100	300	Brown	Granular	11 $\pm$ 0.136
25	0.5	2.5	2	67	133	Light Yellow	Granular	13 $\pm$ 0.123
26	1	2.5	3	100	300	Yellow Brown	Compact	10 $\pm$ 0.113
27	1.5	2.5	3	100	300	Light Brown	Compact	16 $\pm$ 0.197
28	2	2.5	3	100	300	Yellow Green	Compact	13 $\pm$ 0.191
29	2.5	2.5	2	67	133	Light Yellow	Granular	14 $\pm$ 0.173
30	3	2.5	3	100	300	Yellow	Compact	15 $\pm$ 0.031
31	0.5	3	2	67	133	Green	Granular	13 $\pm$ 0.134
32	1	3	1	33	33	Light Yellow	Compact	12 $\pm$ 0.317
33	1.5	3	3	100	300	Light Brown	Compact	11 $\pm$ 0.111
34	2	3	3	100	300	Brown	Compact	12 $\pm$ 0.183
35	2.5	3	3	100	300	Yellow Brown	Granular	13 $\pm$ 0.133
36	3	3	3	100	300	Yellow Green	Compact	14 $\pm$ 0.246
Significance								0.020

All these values are sum means of three parallel replicates in which  $\pm$  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.