

Table 2 Effect of different osmotic stress levels and treatments with GA₃ or kinetin on proline content (mg/g.d.m.) in shoots and roots of maize and wheat plant grown for 45-days

Treat.	NaCl -MPa	Maize				Wheat			
		Shoot	%	Root	%	Shoot	%	Root	%
0	0.0	0.7	100	0.44	100	0.42	100	0.21	100
	0.3	0.63	90	0.16	36.4	0.73	173.8	0.28	133.3
	0.6	0.69	98.6	0.16	36.4	0.84	200	0.38	180.9
	0.9	0.59	84.3	0.19	43.2	0.92	219.0	0.39	185.7
	1.2	0.56	80	0.15	34.1	0.98	233.3	0.44	209.5
GA ₃	0.0	0.36	51.4	0.09	20.5	1.9	452.4	0.22	104.7
	0.3	0.5	71.4	0.11	25.0	1.5	357.1	0.41	195.2
	0.6	0.56	80.0	0.09	11.6	1.6	380.9	0.44	209.5
	0.9	0.45	64.3	0.11	25.0	1.2	285.7	0.24	114.3
	1.2	0.44	62.9	0.12	27.3	1.2	285.7	0.24	114.3
Kin.	0.0	0.51	72.9	0.15	34.1	0.51	121.4	0.15	100
	0.3	1.0	142.9	0.16	36.4	0.71	169.0	0.16	106.7
	0.6	1.1	157.1	0.16	36.4	0.81	192.9	0.17	113.3
	0.9	1.2	171.4	0.19	43.2	0.92	219.0	0.09	60
	1.2	1.3	185.7	0.15	34.1	0.96	228.6	0.09	60
L.S.D. 5%		0.01		0.002		0.1		0.03	

Note: Significance of differences to control at P 0.05%