

**Table 4.** Effect of *Dactyloctenium aegyptium* grass density on absolute and relative growth reduction of different species in relation to bare dune plantation. Significant at: \*P<0.05; \*\*P<0.01.

Habitat Growth parameters	Species	Height reduction						Crown diameter reduction					
		Absolute			Relative			Absolute			Relative		
		1996-97	1997-98	1996-97	1996-97	1997-98	1997-98	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98
Semistabilized dune plantation (SP)	<i>A. tortilis</i>	16 ± 3.5	35 ± 2.6	0.17 ± 0.03	0.19 ± 0.02	0.19 ± 0.02	19 ± 3.8	10 ± 0.9	0.22 ± 0.04	0.08 ± 0.003			
	<i>C. polygonoides</i>	29 ± 4.1	32 ± 7.4	0.31 ± 0.02	0.19 ± 0.03	0.19 ± 0.03	37 ± 1.0	67 ± 10.5	0.37 ± 0.02	0.32 ± 0.02			
	<i>P. juliflora</i>	84 ± 9.2	133 ± 26.2	0.55 ± 0.02	0.55 ± 0.06	0.55 ± 0.06	35 ± 8.5	166 ± 13.5	0.23 ± 0.05	0.57 ± 0.02			
Flatland plantation (FL)	<i>A. tortilis</i>	23 ± 3.7	75 ± 7.4	0.25 ± 0.02	0.40 ± 0.04	0.40 ± 0.04	31 ± 3.8	24 ± 4.0	0.36 ± 0.03	0.17 ± 0.04			
	<i>C. polygonoides</i>	63 ± 9.3	98 ± 5.5	0.69 ± 0.04	0.58 ± 0.02	0.58 ± 0.02	66 ± 0.3	138 ± 11.0	0.68 ± 0.02	0.65 ± 0.01			
	<i>P. juliflora</i>	103 ± 14.2	195 ± 29.8	0.67 ± 0.03	0.76 ± 0.05	0.76 ± 0.05	102 ± 7.0	234 ± 19.1	0.67 ± 0.02	0.80 ± 0.02			
F values													
	Habitat	9.06*	14.55**	72.57**	76.79**	76.79**	77.32**	29.07**	151.2*	226.9**			
	Species	40.28**	27.97**	108.8**	49.51**	49.51**	38.04**	126.4**	33.14**	509.8**			
	H x S	1.36	0.30	16.92**	4.01*	4.01*	15.63**	3.88*	13.30**	24.16**			