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Response of coriander cultivars under different shade net intensities during summer

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ABSTRACT : The results of present investigation indicated that, among the different shading intensities 50 per cent shading intensity recorded the minimum number days required for germination (8.00) and emergence of third leaf (13.50) as compared with remaining shading intensities. The highest number of leaves, plant height, number of branches, internodal length of leaves were observed in 50 per cent shading intensities (21.92, 19.17cm, 6.17 and 6.08 cm, respectively). The highest leaf area was observed in 50 per cent shading intensities (4.67 cm²) while among the varieties, the variety, JD-1 recorded the highest leaf area (4.40 cm²). The minimum days required for harvesting of coriander was recorded in 50 per cent shading intensities (36.67 days) as compared to open conditions (42.17 days). The highest yield per plot (3.40 kg) and per hectare (50.23 q) of coriander was recorded in 50 per cent shading intensity as compared to other shading intensities while highest yield per plot and per hectare was recorded variety of JD-1 (2.53 kg per plot) and (37.44 q per ha.), respectively. The interaction effect between shading intensities and variety, all the growth and yield parameters of coriander cultivars were found to be non-significant.

KEY WORDS : Shading intensities, Coriander cultivars, Germination, Growth, Yield

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