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## Performance of mango grafts under different environmental conditions

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The experiment entitled, "Performance of mango grafts under different environmental conditions" was conducted at 'Commercial Fruit Nursery, College of Horticulture' Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (M.S.) during the winter season of 2012-13. The experiment was laid out in Factorial Completely Randomized Design with eight treatment combinations, these were replicated four times. The environmental conditions, poly house was significantly superior in respect of days to sprouting, percent graft take, number of sprout per graft, height of graft (cm), length of sprout (cm), number of leaves per graft, leaf area (cm<sup>2</sup>), survival percent (%) final success percent (%) and stock scion ratio as compare to open condition, green shade net condition and partial shade condition. And green shade net condition was significantly superior in chlorophyll content (%) as compare to open condition, partial shade condition and poly house condition. Regarding the covering (poly tube) of mango graft was significantly superior in days to sprouting, percent graft take, number of sprout per graft, height of graft (cm), length of sprout (cm), number of leaves per graft, leaf area (cm<sup>2</sup>), survival percent (%), final success percent (%) chlorophyll content (%) and stock scion ratio as compare to without poly tube covering. Interaction between environmental conditions and poly tube covering, the treatment combination poly house condition with poly tube covering was significantly superior in days to sprouting, percent graft take, number of sprout per graft, height of graft (cm), length of sprout (cm), number of leaves per graft, success percent (%) survival percent (%), final success percent (%) among remaining treatment combination. It is indicated that, the favourable environmental conditions enhance the vegetative growth of mango grafts.

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