Pruning studies in some white wine grape varieties for yield and yield contributing parameters under Western Maharashtra conditions

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ABSTRACT: In present investigation, effect of five different pruning treatments (4, 6, 8, 10 and 12 buds/cane) was studied on four white wine grape cultivars (Viognier, Ugni Blanc, Sauvignon Blanc and Chenin Blanc). The growth and yield contributing parameters viz., bud sprouting percentage, cane fruitfulness and bunch weight were found maximum in severely pruned treatments i.e. 4-6 buds/cane. Veraison and maturity was found early in the same treatment. However, for higher number of bunches and yield, each variety responded differently in different pruning treatments. The variety Viognier recorded highest yield (6.87 kg/vine; 15.26 MT/ha) in 8 buds/cane pruning treatment, Ugni Blanc in 4 buds/cane (5.05 kg/vine; 11.23 MT/ha), Sauvignon Blanc in 4 buds/cane (5.16 kg/vine) and Chenin Blanc in 12 buds/cane pruning treatment (16.90 kg/vine; 37.54 MT/ha).

KEY WORDS: Pruning, Wine grape, Yield