

INFLUENCE OF PRUNING LEVEL ON BUD FERTILITIES IN FLAME SEEDLESS AND SHARAD SEEDLESS GRAPE VARIETIES UNDER MILD TROPICS

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ABSTRACT

Influence of pruning level on growth and yield attributes of Flame seedless and Sharad seedless. The vines were halt at thirteen different nodes levels in a randomized block design with five replications. Results revealed that, lesser day taken for bud sprout from pruning (18.02 Flame seedless and 17.04 Sharad seedless) lesser inter nodal length (3.37 cm Flame Seedless and 3.41 cm Sharad seedless) productive cane per vine (39.08 Flame seedless and 39.82 Sharad seedless) unproductive cane per vine (4.55 Flame seedless and 5.01 Sharad seedless) leaf area (2601.22 cm² Flame seedless and 2572.46 cm² Sharad seedless) maximum cane length at 5th, 10th and 15th leaf in T₁₃ Flame seedless and at 5th, 10th, 15th in T₁₃ Sharad seedless maximum cane diameter T₁ Flame seedless and T₁ Sharad seedless, mother cane and sub cane length were maximum T₁₃ treatment in both varieties while its diameter was maximum with T₁ in both varieties as well as fresh weight of the pruned wood was maximum with treatment T₁₃ in both varieties. Petiole nutrient contents N, P, K percentage (2.82, 0.89, 2.88 Flame seedless and 2.95, 0.91, 2.88 Sharad seedless), Commencement of flowering (27.28 days Flame seedless and 28.33 days Sharad seedless), days from flowering to harvest (85.55 days Flame seedless and 82.67 days Sharad seedless) yield per vine (12.42 kg Flame seedless and 13.71 kg Sharad seedless) yield tonnes per hectare (23 t/ha Flame seedless and 24.58 t/ha Sharad seedless)

KEYWORDS: Pruning Level, Flame Seedless, Sharad Seedless, Grape